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Water Supply Outlook For Utah



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

UTAH STATE DEPARTMENT of NATURAL RESOURCES

AS OF
FEB. 1, 1980

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: THE SNOWTEL PROJECT CENTRAL COMPUTER FACILITIES IN PORTLAND, OREGON. THE TERMINAL, PRINTER, COMPUTER AND TAPE DRIVES HAVE NOT COMPLETELY REPLACED THE SNOW SAMPLING TUBES SEEN IN THE FOREGROUND.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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In Cooperation with

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PROSPECTIVE WATER SUPPLIES

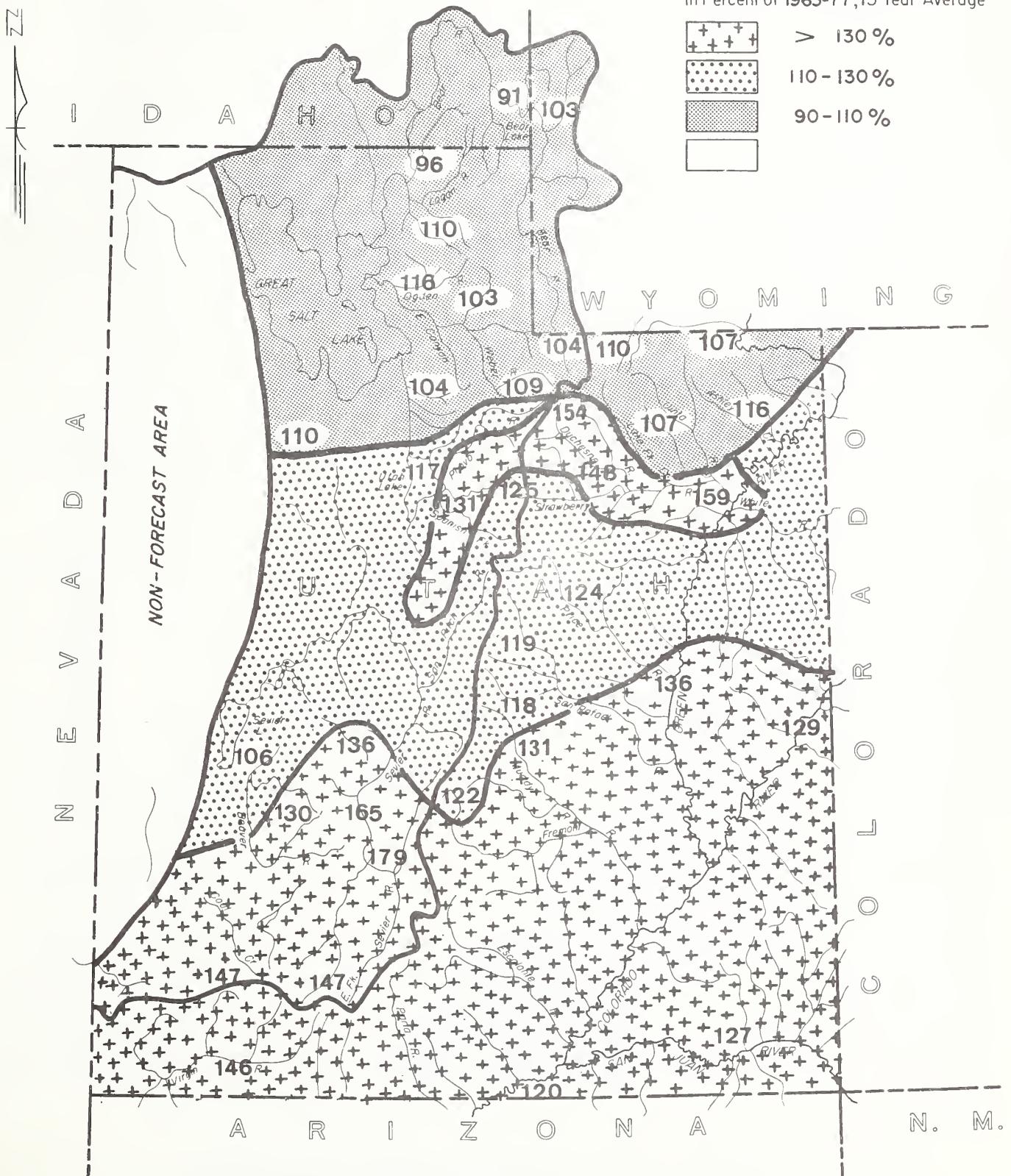
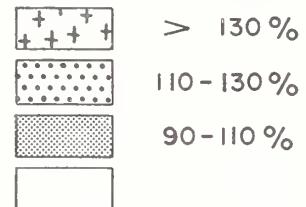
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

February 1, 1980

Approximate Date

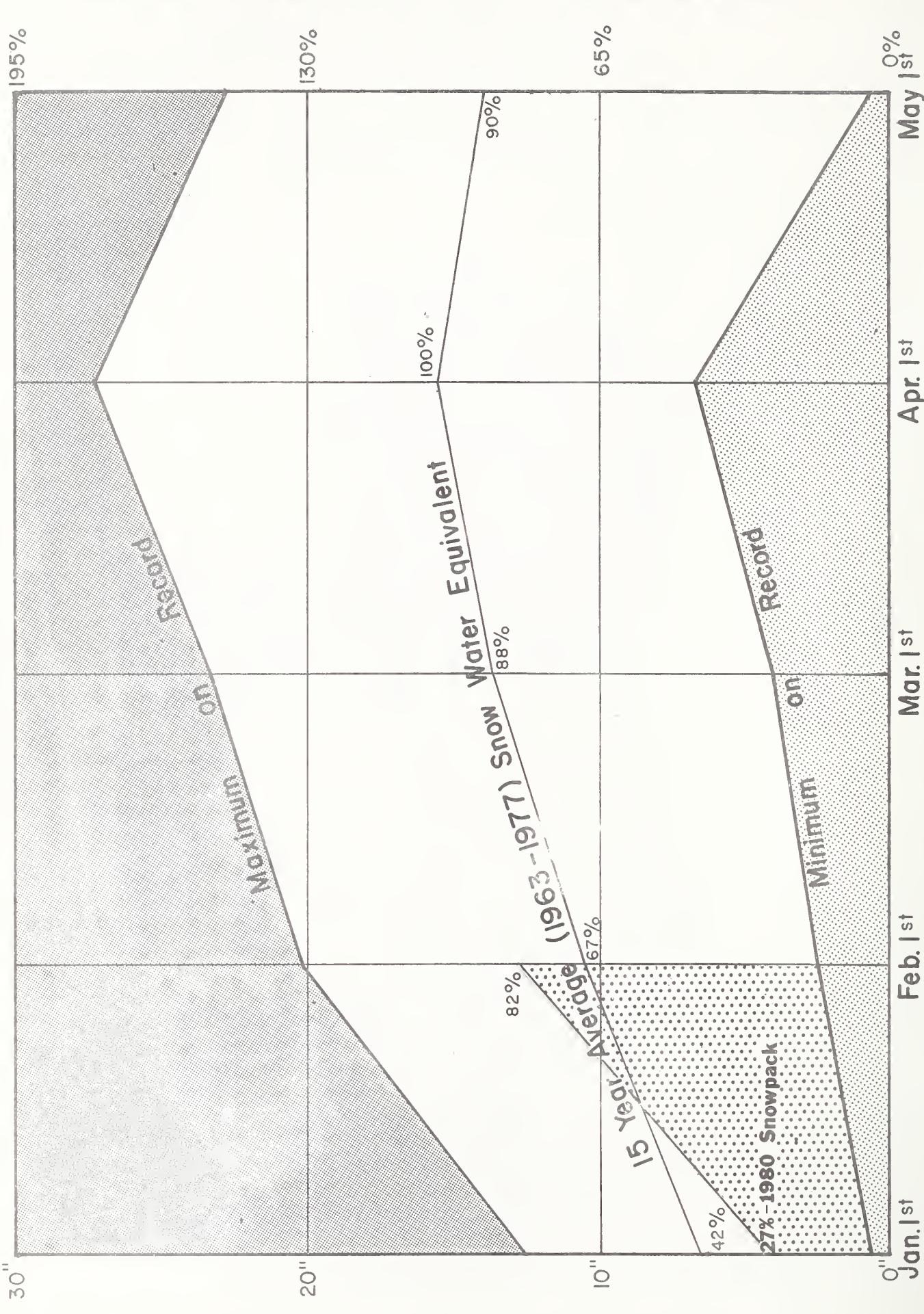
50 0 50 100
SCALE IN MILES

FORECAST STREAM FLOW
in Percent of 1963-77, 15 Year Average



UTAH'S WINTER SNOWPACK

Data based on 51 selected snow courses



INCHES OF SNOW WATER EQUIVALENT



1980 SNOWPACK

WATER SUPPLY OUTLOOK

as of
February 1, 1980

* Utah's 1980 water supply outlook ranges from near average in the north to above average in the south. Snow cover improved dramatically and now ranges from average to 176% of average. Reservoir storage is near average statewide and streamflow is forecast from near average in the north to better than one and one half times average in Southern Utah.

SNOW COVER

Snow cover has improved with good January storms and now range from 94% of average along the Salt Lake Front to 176% in the southeastern corner of the state on the Blue Mountains. Bear River is 111% of average, Ogden 124%, Weber 113%, Provo 131%, Duchesne 140%, Price 135%, San Rafael 117%, Muddy 143%, Fremont 128%, Upper Sevier 159%, Lower Sevier 116%, Beaver 136%, Coal Creek 145%, and Virgin River 161%.

PRECIPITATION

Precipitation at mountain stations ranged from one and one half times average for January in northern Utah to over four times average in southern Utah. The greatest increase was 17.95 inches at Timpanogos Divide on the American Fork drainage.

SOIL MOISTURE

Watershed soils generally improved at lower elevations and are now near average but remain drier than average at higher elevations.

RESERVOIR STORAGE

Storage in 26 key irrigation reservoirs is about 101% of the February 1 average. Reservoirs in Uintah Basin are below average while those in southern Utah are above average.

STREAMFLOW FORECASTS

Streamflow forecasts now range from 89% of the April-July average for the Bear at Randolph to 179% on the East Fork Sevier.

Bear River is forecast 104% at stateline, 91% at Harer, Idaho, and Logan River 102%. Pineview Inflow is forecast 116%, the Weber at Oahley 109%, Chalk Creek 110%, East Canyon 104%. Lost Creek 103% and Echo Inflow 104%. Provo River is forecast 125% at Hailstone, 135% at Deer Creek, and 117% for the Utah Lake Inflow. Streams along the Salt Lake front range from 119% for Mill Creek to 97% for Big Cottonwood.

WATER SUPPLY OUTLOOK (continued)

Streams in Uintah Basin range from 98% of average on Yellowstone to 172% for the Duchesne at Myton. Lakefork Creek is forecast 103% and Ashley Creek 116% of the April-July average.

Streamflow forecasts on the Price drainage range from 119% for Scofield Inflow to 130% for Gooseberry Creek and 124% for Price at Heiner. Huntington Creek is forecast 119%, Cottonwood 108%, Ferron Creek 118%, Muddy 131% and Seven Mile Creek 122%.

Sevier River forecasts range from 119% for Pleasant Creek to 179% for the East Fork Sevier. The Sevier is forecast 147% at Hatch, 160% at Circleville, 157% at Kingston and 145% at Gunnison. Salina Creek is forecast 130%, Chalk Creek 136%, and Enkrain Creek 135%. Beaver River is forecast 130% at Beaver and 106% for Minersville Reservoir Inflow.

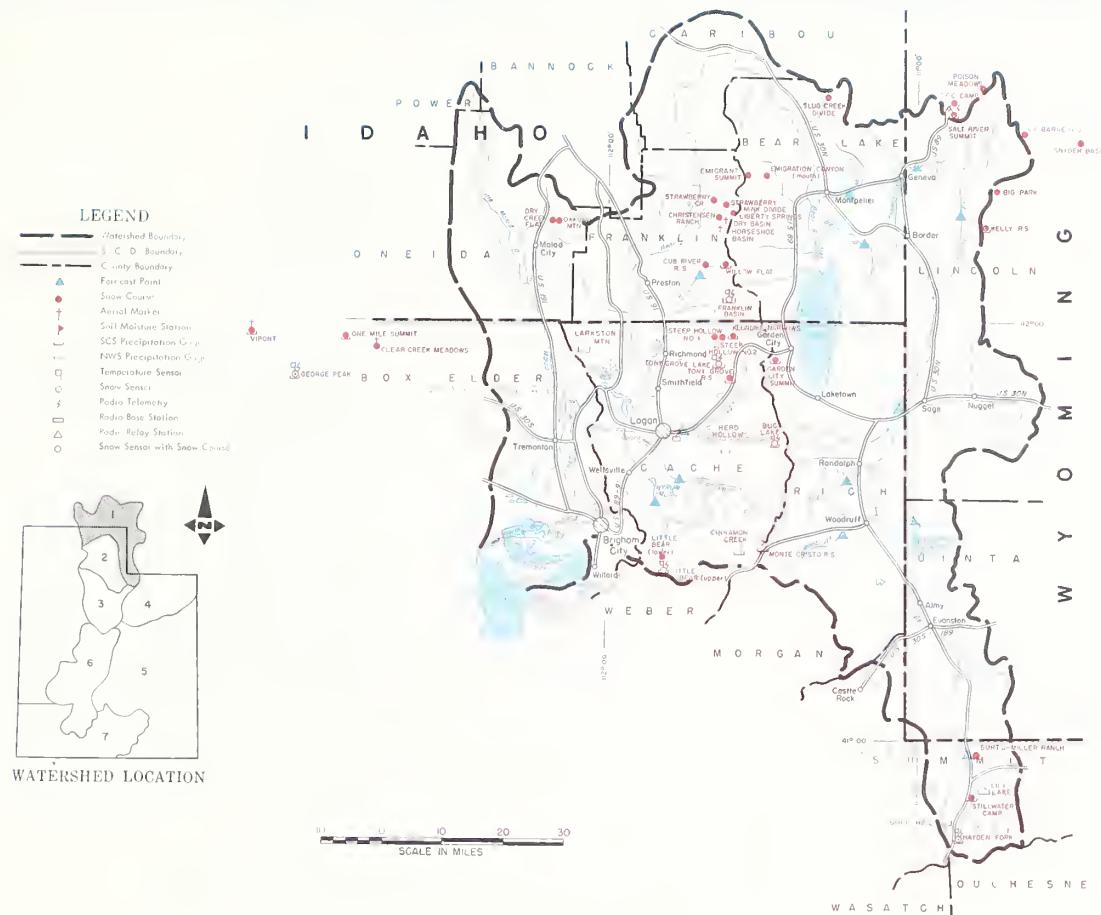
Coal Creek is forecast 147% of average, the Virgin River and Santa Clara 146%, and Lake Powell Inflow 120% of the April-July average.

All water users of the state are expected to have adequate water supplies except possibly some on reservoir water only in Uintah Basin.

WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1980

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 107% of the February 1 average on the Logan River to 116% on the Upper Bear River.

PRECIPITATION at mountain stations varied from 166% of average for January at Salt River Summit to 225% at Garden City Summit.

SOIL MOISTURE under the high snow pack is drier than average. Lower elevations picked up moisture during January.

RESERVOIR STORAGE in Bear Lake is 973,400 acre feet (95%). Woodruff Narrows has 12,500 acre feet (64%), and Hyrum and Porcupine are near average with 10,200 and 2,800 acre feet respectively.

STREAMFLOW FORECASTS range from 89% of the April-July average for the Bear near Randolph to 110% for the Little Bear near Paradise. Other forecasts are as follows: Bear River near Stateline 104%, near Woodruff 95%, at Harer, Idaho 91%, Smith's Fork 102%, Thomas Fork 103%, Logan 102%, Blacksmith Fork 102%, and Woodruff Creek 91%. Most water users are expected to have about average water supplies this season.

BEAR RIVER BASIN in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousands Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
BEAR RIVER					
Bear nr UT-Wyo. State Line	119	104	Apr-July	93	114
Bear nr Woodruff	141	95	Apr-July	100	148
Woodruff Crk nr Woodruff, UT	16.8	91	Apr-July	17.4	18.4b
Big Creek nr Randolph, Utah	4.3	102	Apr-July	4.5	4.2b
Bear nr Randolph	107	89	Apr-July	80	120
Thomas Fork nr UT-Wyo State Ln	36	103	Apr-Sept	38	35
Smith's Fork nr Border, Wyo.	122	102	Apr-Sept	130	120
Bear at Harer, Idaho 1/	303	91	Apr-Sept	288	332
Logan nr Logan 1	120	102	Apr-July	125	118
Blacksmith Fork nr Hyrum	55	102	Apr-July	57	54
Little Bear nr Paradise	42	110	Apr-June	37	38
Cub River nr Preston, ID	50	96	Apr-Sept	52	52
1 - Observed flow corrected for change in storage and diversions					
2 - Provisional flows - Subject to correction					
b - Average of all past record less than 15 years					

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

PIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
BEAR RIVER	19	96	111
UPPER BEAR RIVER	5	110	116
LOWER BEAR RIVER	14	92	109
LOGAN RIVER	7	94	107

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
BEAR RIVER	Bear Lake	1421.0	973.4	1003.7	1026.5
	Woodruff Narrows	26.5	12.5	17.3	19.5
LITTLE BEAR					
	Hyrum	15.3	10.2	10.2	10.6
	Porcupine	11.3	2.8	3.4	3.0

+ - 1963-77 15 year Average Period
e - estimated

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)
		Last Year	Average +	
Burts-Miller Ranch	1/31	31	5.9	4.5
Cub River R.S.	2/3	22	6.2	8.6
Emigrant Summit	1/30	65	16.6	17.8
Franklin Basin	2/3	50	18.1	18.1
Hayden Fork	1/31	50	13.3	9.2
Klondike Narrows	2/3	45	16.3	15.5

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Bear River nr UT/WY Stateline	Will publish March 1.	
Big Creek nr Randolph		
Logan River nr Logan		
Woodruff Creek nr Woodruff		
Little Bear nr Paradise		

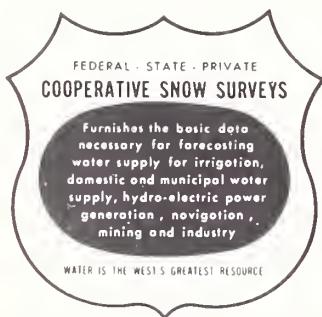
SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)
		Last Year	Average +	
Little Bear Lower	2/3	24	7.7	10.6
Little Bear Upper	2/3	28	8.2	12.5
Monte Cristo	2/3	61	19.8	16.9
Salt River Summit	1/30	46	10.2	12.2
Stillwater Camp	1/31	45	9.8	7.8
Tony Grove R.S.	2/3	30	9.4	12.4

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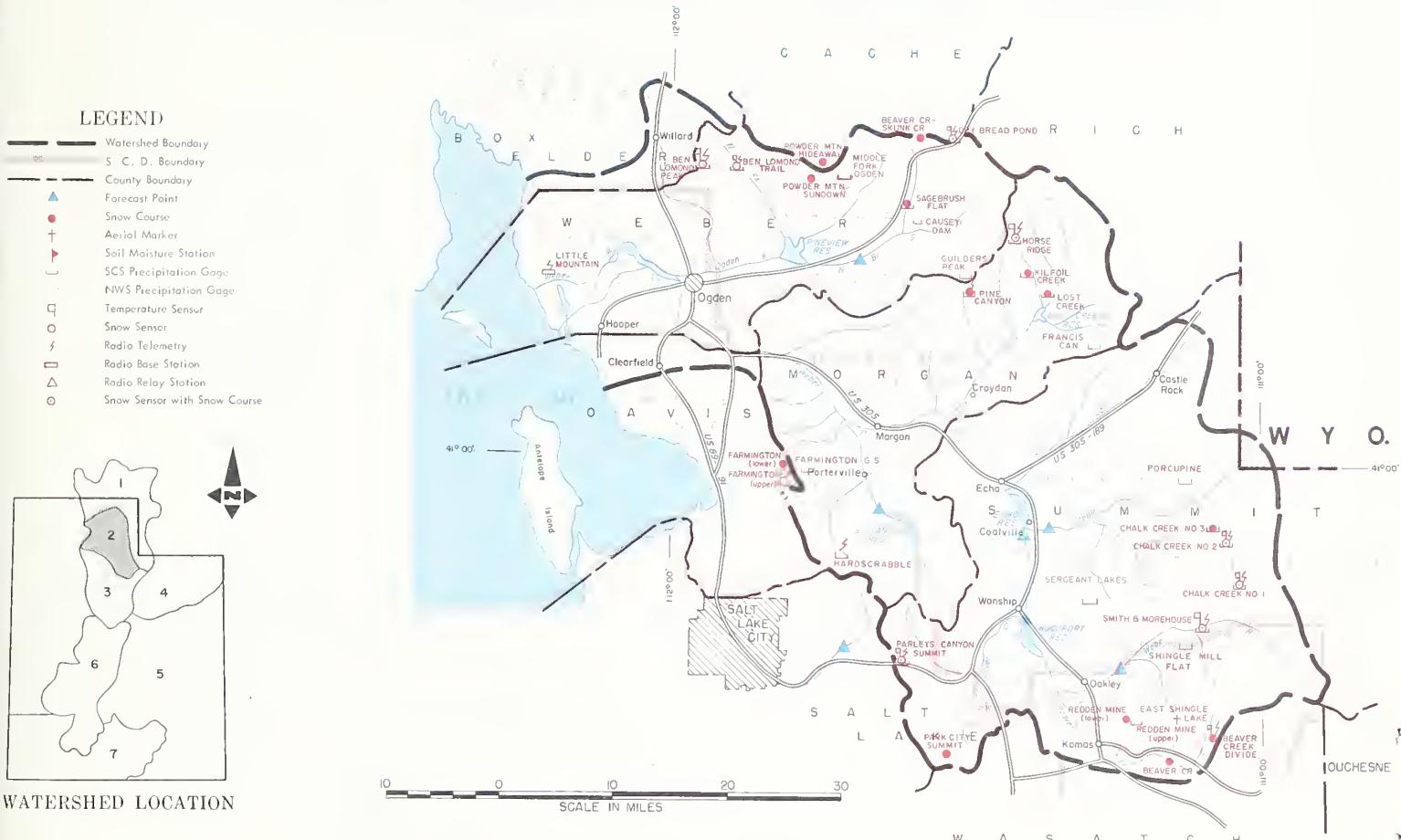
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1980

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER is now 113% of the February 1 average on the Weber River and 124% on the Ogden River.

PRECIPITATION at mountain stations during January ranged from 163% at Farmington Lower to 276% at Causey Dam.

SOIL MOISTURE under the medium and high elevation snow pack is drier than average but lower elevations improved during January.

RESERVOIR STORAGE ranges from 78% of average at Rockport to 144% at Willard Bay. Echo is 90% of average, Lost Creek is 105% and East Canyon is 110%. Pineview is 131% of average and Causey is 135%.

STREAMFLOW FORECASTS range from 93% of the April-June average on Hardscrabble Creek to 116% for Pineview Inflow. Weber River is forecast 109% at Oakley, 107% at Rockport, 104% for Echo Inflow and 106% at Gateway. Lost Creek is forecast 103%, Chalk Creek 110%, and East Canyon 104%. All water users are expected to have near average water supplies this season.

WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST THousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET	Last Year
WEBER-OGDEN RIVERS					
Weber nr Oakley	113	109	Apr-June	76	104
Rockport Reservoir Inflow ¹	120	107	Apr-June	84	112
Chalk Creek at Coalville	43	110	Apr-June	29	39
Weber nr Coalville	125	102	Apr-June	91	123
Echo Reservoir Inflow ¹	167	104	Apr-June	--	160
Lost Creek nr Croydon, Utah	18.0	103	Apr-June	14	17.4b
East Canyon Creek nr Morgan ¹	27	104	Apr-June	18.8	26
Hardscrabble Crk nr Porterville	18.4	93	Apr-June	17.0	18.8
South Fork Ogden nr Huntsville	65	114	Apr-June	61	57
Pineview Reservoir Inflow ²	133	116	Apr-June	125	115
Weber at Gateway	326	106	Apr-June	258	308
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	7.7	95	Apr-July	8.1	8.1b

1 - Observed flow corrected for change in storage and diversions
 2 - Inflow record as computed by U.S. Bureau of Reclamation
 3 - Provisional flows - Subject to Correction
 b - Average of all past record - less than 15 years

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
OGDEN	Causey	6.9	2.7	1.4	2.0b
	Pineview	110.1	68.4	52.6	52.2
WEBER	East Canyon	48.1	30.5	36.8	27.6
	Echo	73.9	43.8	63.7	48.5
	Lost Creek	20.0	13.6	14.7	12.9
	Rockport	60.9	27.5	33.6	35.2
	Willard Bay	193.3	183.5	161.7	127.2b

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average +
Beaver Creek R.S.	2/1	35	8.6	5.8	5.9
Beaver Creek-Skunk Creek	2/2	34	10.8	10.8	8.3
Ben Lomond Peak	2/3	74	27.3	28.1	22.4b
Ben Lomond Trail	2/3	43	13.8	17.4	12.4b
Chalk Creek #1	2/1	71	18.7	12.6	13.6a
Chalk Creek #2	2/1	50	12.0	8.2	9.7
Dry Bread Pond	2/2	45	15.9	13.5	12.2

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
OGDEN RIVER	5	97	124
WEBER RIVER	9	106	113

PEAK FLOWS

FORECAST POINT	PEAK FLOW (ECONOMIC FEET)	
	Forecast Range	Average +
South Fork Ogden nr Huntsville		Will publish March 1.
Chalk Creek nr Coalville		

SNOW

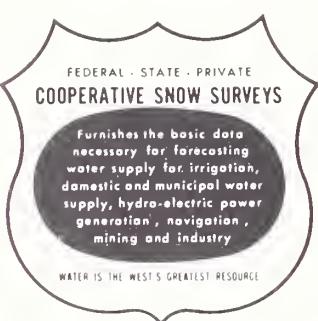
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average +
Horse Ridge	2/2	56	17.1	18.5	15.0a
Lost Creek Reservoir	--	--	--	6.9	--
Monte Cristo	2/3	61	19.8	16.9	16.3
Parleys Canyon Summit	2/1	45	11.6	11.9	12.7
Sagebrush Flat	2/2	23	6.0	5.8	4.1
Smith & Morehouse	2/1	39	10.6	8.5	8.9
Trial Lake	2/1	87	20.4	16.8	15.6

e - estimated

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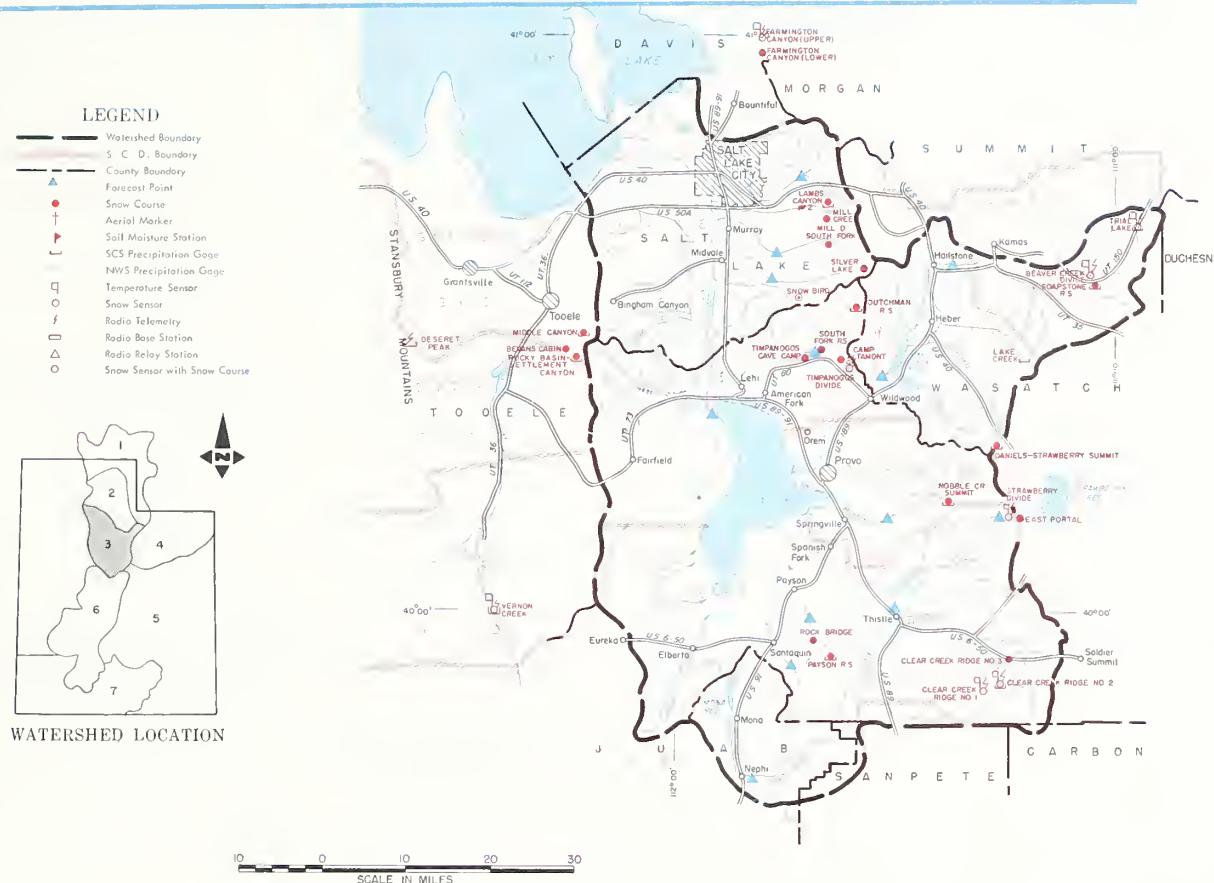
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1980

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 94% of average in Jordan River and Tooele Valley drainages to 131% on Provo River and Utah Lake drainages.

PRECIPITATION at mountain stations during January ranged from 144% of average at Middle Canyon above Tooele to 361% of average at Timpanogos Divide.

SOIL MOISTURE is still below average at higher elevations but improved at medium elevations and above average at valley locations.

RESERVOIR STORAGE ranges from 95% of average at Deer Creek to 107% in Utah Lake. Strawberry is 105% of the February 1 average, Vernon Creek is full and Settlement Canyon is half full.

STREAMFLOW FORECASTS range from 90% of average for Vernon Creek to 155% for Hobble Creek. The Provo River is forecast 125% at Hailstone, 135% at Deer Creek Dam and 117% for Utah Lake Inflow. American Fork is forecast 113%, Spanish Fork 131%, Strawberry Inflow 125% and Payson Creek 115%. Little Cottonwood is forecast 101%, Big Cottonwood 97%, Parleys 104%, Mill Creek 119%, Emigration 103% and City Creek 111% of average. Near average or better than average water supplies are expected for water users in the basin this season.

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average [†]
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone ¹	128	125	Apr-July	110	109
Provo below Deer Creek Dam ¹	162	135	Apr-July	135	122
American Fork nr American Fork	35	113	Apr-July	35	31
Hobble Creek nr Springville ¹	27	155	Apr-July	22	19.7b
Strawberry Reservoir Inflow	65	125	Apr-July	59	52
Spanish Fork at Thistle	51	131	Apr-July	45	39
Payson Creek nr Payson	7.2	115	Apr-July	7.0	--
Utah Lake Inflow	285	117	Apr-July	270	244
JORDAN RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	38	101	Apr-July	39	38
Big Cottonwood nr SLC	37	97	Apr-July	41	38
Parley's Creek nr SLC	16	104	Apr-July	15.0	15.4
Mill Creek nr SLC	7.5	119	Apr-July	7.0	8.8
Emigration Creek nr SLC	4.1	103	Apr-July	4.5	4.9
City Creek nr SLC	8.9	111	Apr-July	10.5	10.7
TOOELE VALLEY					
Vernon Creek nr Vernon	0.9	90	Mar-July	2.0	1.0
Settlement Crk nr Tooele					
RESERVOIR STORAGE (thousand Acre Feet)					

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF
	Last Year	Average
PROVO RIVER & UTAH LAKE	13	109
JORDAN RIVER & SALT LAKE	3	96
TOOELE VALLEY	2	76

1 - Observed flow corrected for change in storage and diversions

2 - Provisional flows - Subject to correction

a - Partly estimated

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average [†]
Hobble Creek nr Springville		Will publish March 1.
Spanish Fork nr Thistle		
Big Cottonwood nr Salt Lake City		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)
NAME		Last Year	Average [†]	
Bevans Cabin	--	--	--	--
Camp Altamont	2/1	43	14.4	16.5
Clear Creek #1	2/2	56	17.3	14.2
Clear Creek #2	2/2	48	12.9	12.5
Clear Creek #3	2/2	29	7.4	--
Daniels-Strawberry Summit	2/2	48	14.1	10.6
Deseret Peak	--	--	--	--
Dutchman R.S.	2/1	55	17.6	--
Hobble Creek Summit	2/2	42	10.9	--
Lambs Canyon #2	1/31	43	10.4	10.2
Middle Canyon	1/31	31	7.7	9.6
Mill Creek	2/1	40	10.7	10.9

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)
NAME		Last Year	Average [†]	
Mill D South Fork	1/28	34	10.5	12.2
Parley's Canyon Summit	2/1	45	11.6	11.9
Payson R.S.	2/2	51	15.2	12.2
Rocky Basin-Settlement Canyon	--	--	--	--
Silver Lake Brighton	1/28	61	17.0	15.6
Soapstone R.S.	2/1	48	10.8	9.5
South Fork R.S.	2/1	20	4.3	8.8
Timpanogos Divide	1/31	72	23.2	21.7
Trial Lake	2/1	87	20.4	16.8
Vernon Creek	1/30	36	8.0	11.2

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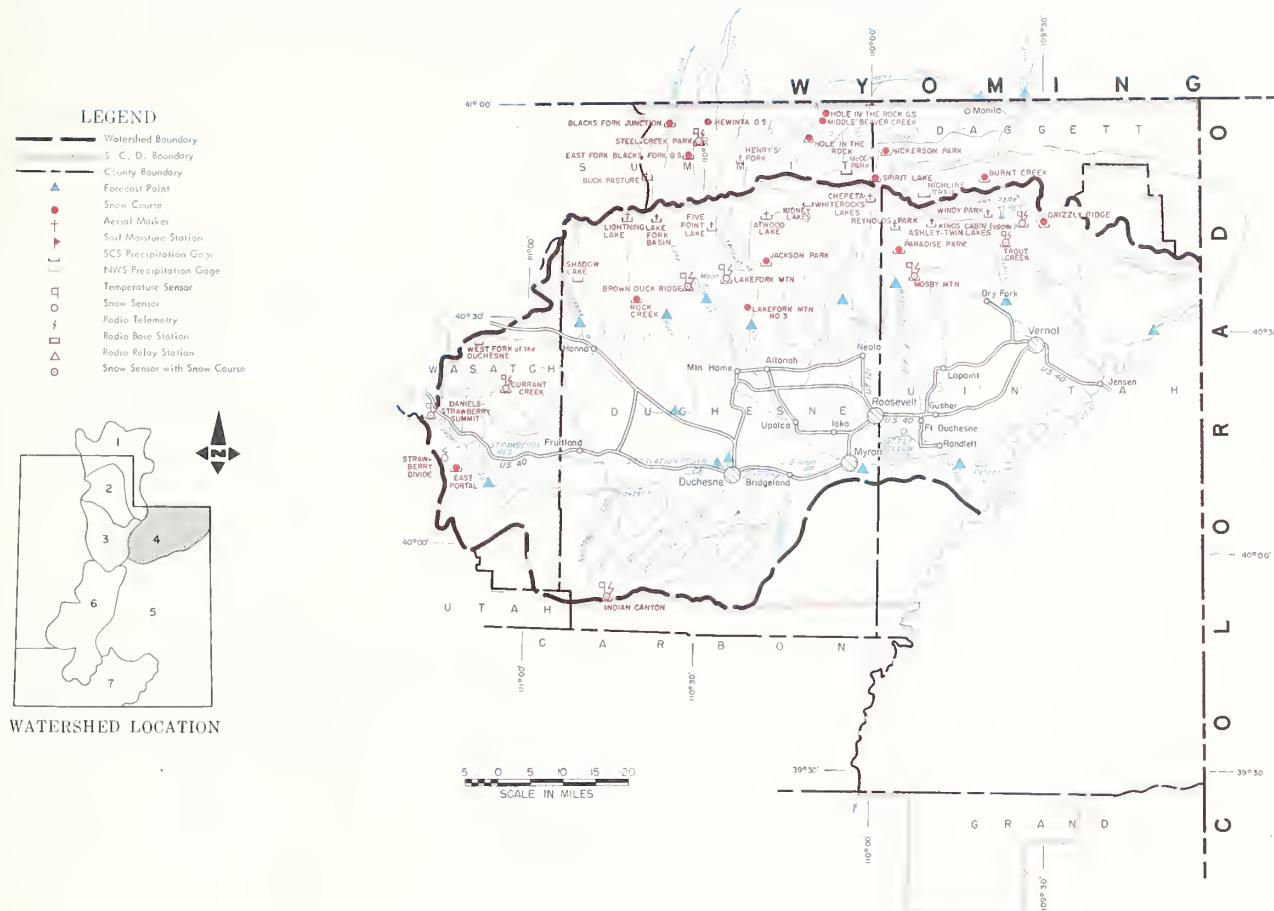
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1980

THE WATER SUPPLY OUTLOOK RANGES FROM NEAR AVERAGE TO ABOVE AVERAGE

SNOW COVER has improved greatly and ranges from 137% on Ashley Creek to 157% on Uintah-Whiterocks drainages. Lakefork-Yellowstone Creeks are 153% and Strawberry River is 150%.

PRECIPITATION at mountain stations for January ranges from 138% at Burnt Creek to 349% at Mosby Mountain.

SOIL MOISTURE is generally below average.

RESERVOIR STORAGE is below average with Steinaker 66%, Moon Lake 44% and Starvation 32%.

STREAMFLOW FORECASTS range from 93% of average on Henry's Fork to 172% for the Duchesne at Myton. The Duchesne is forecast 148% at Tabiona, 144% at Duchesne and 159% at Randlett. Currant Creek is forecast 105%, Rock Creek 126%, Lakefork 103%, Yellowstone 98%, Uintah 107%, Whiterocks 102%, Ashley Creek 116% and Blacks Fork 110%. Most water users are expected to have adequate water supplies this season. Some may have reduced supplies on reservoir storage only if reservoirs do not fill as runoff progresses this spring.

UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST THousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET
	Last Year	Average	+	
DUCESNE RIVER				
Duchesne nr Tabiona ¹	158	148	Apr-July	98 107
Duchesne at Duchesne ¹	277	144	Apr-July	178 193
Strawberry at Duchesne	76	133	Apr-July	60 57
Rock Creek nr Mtn. Home	120	126	Apr-July	99 95
Currant Creek nr Fruitland	21	105	Apr-July	21 20
Lakefork below Moon Lake ¹	74	103	Apr-July	72 72
Yellowstone nr Altonah	66	98	Apr-July	68 67
Duchesne at Myton ¹	362	172	Apr-July	220 210
Whiterocks nr Whiterock	61	102	Apr-July	57 60
Uintah nr Neola	95	107	Apr-July	90 89
Duchesne at Randlett ¹	424	159	Apr-July	266 266
West Fork Duchesne at Hanna	40	154	Apr-July	25 26
FLAMING GORGE TO DUCESNE RIVER				
Henry's Fork nr Manila	50	93	Apr-Sept	48 54
Black's Fork at Millburne	101	110	Apr-July	80 92
Flaming Gorge Inflow	1380	107	Apr-July	1300 1292
Ashley Creek nr Vernal	59	116	Apr-July	57 51

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCESNE RIVER - TOTAL	9	100	140
LAKEFORK-YELLOWSTONE CREEKS	1	102	153
STRAWBERRY RIVER	2	133	150
UINTAH - WHITEROCKS RIVERS	2	114	157
ASHLEY CREEK	1	132	137
BLACK'S FORK			

1 - Observed flow corrected for change in storage and diversions

2 - Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN or STREAM	RESERVOIR	USEFUL CAPACITY	USEABLE STORAGE		
			This Year	Last Year	Average
ASHLEY CREEK	Steinaker	33.3	13.6	11.3	20.5
GREEN RIVER	Flaming Gorge	3749.0	2318.0	2595.4	--
LAKE FORK	Moon Lake	35.8	7.5	6.9	16.8
STRAWBERRY	Starvation	165.3	42.7	141.6	129.4b
UINTAH	Bottle Hollow	11.3	10.2	9.5	9.8b

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)
			Last Year	Average
Brown Duck Ridge	2/1	69	16.5	-- 9.5
Currant Creek	2/2	45	11.8	-- 7.3b
Daniels-Strawberry	2/2	48	14.1	10.6 10.0
Hewinta G.S.	1/31	38	9.1	6.3 --
Hickerson Park	1/31	33	7.5	5.0 --
Hole-in-the-Rock	--	--	--	--
Hole-in-the-Rock G.S.	--	--	--	--
Jackson Park	--	--	--	--
Kings Cabin Upper	1/31	50	10.3	7.8 --

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Strawberry at Duchesne		Will publish March 1.
Ashley Creek nr Vernal		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)
			Last Year	Average
Lakefork Mountain	2/1	46	10.4	10.2 6.8
Mosby Mountain	2/1	44	10.5	7.5 6.3
Paradise Park	2/1	49	12.5	12.6 8.3
Rock Creek Ranch	2/1	36	9.5	6.9 --
Spirit Lake	1/31	41	10.0	9.8 --
Steel Creek Park	1/31	54	13.0	9.0 --
Strawberry Divide	--	--	--	16.4 12.4
Trout Creek	1/31	44	9.5	9.1 --

e - estimated

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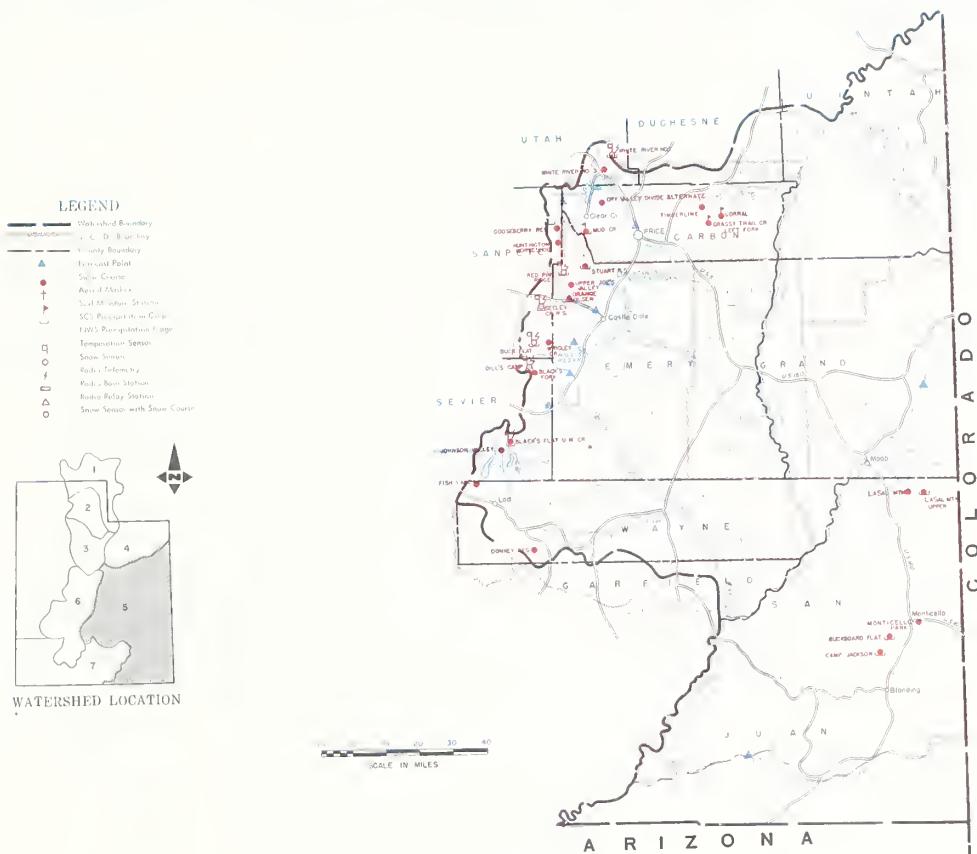
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1980

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 117% on the San Rafael to 176% of the February 1 average on the Blue Mountains. Price River Basin is 135%, and Muddy is 143%, and the LaSal's 145% of average. Fremont River Basin is 128% of average.

PRECIPITATION at mountain stations was generally two to three times average.

SOIL MOISTURE under the high elevation snow pack is still drier than average. Valley locations improved during the month.

RESERVOIR STORAGE is near average. Scofield has 43,200 acre feet compared to 40,000 last year. Joe's Valley has 33,800 acre feet and 43,600 a year ago. Mill Site is estimated to have about 4,000 acre feet compared to 5,600 last year at this time.

STREAMFLOW FORECASTS range from 108% of average on Cottonwood Creek to 136% for the Green at Green River. Other forecasts are as follows: Scofield Inflow 119%, Price near Heiner 124%, Huntington Creek 119%, Ferron Creek 118%, Muddy Creek 131%, Seven Mile Creek 122%, Mill Creek 135%, San Juan 127% at Bluff and the Colorado near Cisco 129%. Water users in this area are expected to have adequate water supplies this season.

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST Thousands Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
PRICE RIVER					
Gooseberry Crk nr Scofield	13	130	Apr-July	15.0	10.1
Scofield Reservoir Inflow	43	119	Apr-July	52	36
Price nr Heiner	79	124	Apr-July	90	64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	55	119	Apr-July	71	49b
Cottonwood Crk nr Orangeville	48	108	Apr-July	48	44b
Ferron Creek nr Ferron	46	118	Apr-July	40	34
MUDY CREEK					
Muddy Creek nr Emery	22	131	Apr-July	20	16.8
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah	3500	129	Apr-July	4100	2716
Green at Green River, Utah	4040	136	Apr-July	3500	2975
Mill Creek nr Moab	6.9	135	Apr-July	10.0	5.1b
Navajo Reservoir Inflow	810	133	Apr-July	1150	608
San Juan nr Bluff, Utah	1100	127	Apr-July	1600	865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.8	122	Apr-July	7.0	6.4
RESERVOIR STORAGE (Thousand Acre Feet)					

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	3	93	135
SAN RAFAEL RIVER	6	95	117
FREMONT RIVER	3	74	128
LASAL MOUNTAINS	2	82	145
BLUE MOUNTAINS	2	63	176
MUDY RIVER	2	109	143

1 - Observed flow corrected for change in storage and diversions
2 - Provisional flows - Subject to correction

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)
	Forecast Range
	Average +
Ferron Creek near Ferron	Will publish March 1.
Muddy Creek near Emery	

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average +
Buck Flat	2/1	51	12.8	14.4	10.2
Buckboard Flat	1/28	48	12.7	21.1	7.1e
Camp Jackson	1/28	46	12.6	19.3	7.3e
Dills Camp	2/1	44	10.5	9.6	7.0b
Dry Valley Divide Alternate	2/1	42	9.9	9.9	7.2
Huntington-Horseshoe	2/1	53	16.1	17.6	14.8b

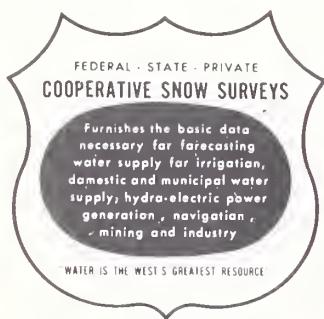
SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average +
Mammoth-Cottonwood R.S.	2/1	51	16.2	16.4	13.2
Monticello City Park	1/31	22	5.9	8.8	--
Mud Creek	2/1	48	11.8	11.8	8.8
Seeley Creek	2/2	37	11.4	12.5	9.3b
White River #1	2/2	44	11.6	13.9	8.6
White River #3	2/2	32	8.2	8.1	--

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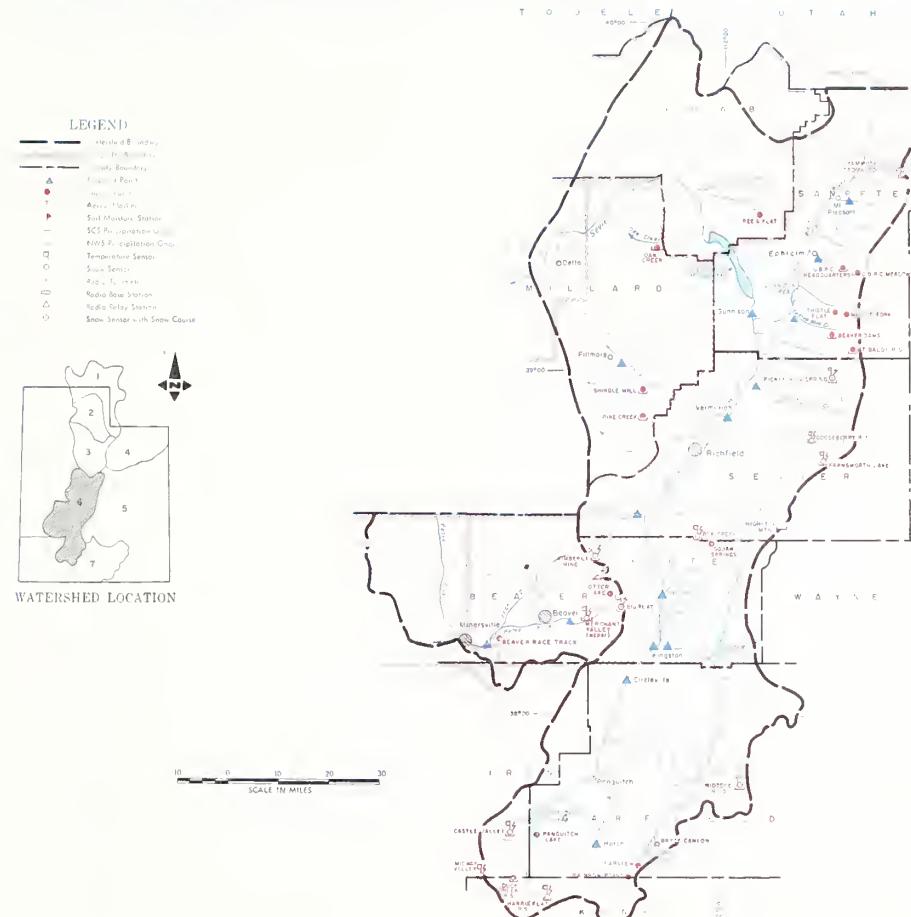
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1980

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 116% of the February average to 159% on the South Fork Sevier. The East Fork is 139% and Beaver River is 136%.

PRECIPITATION at mountain stations ranged from 118% at Gooseberry Ranger Station to 408% at Duck Creek Ranger Station.

SOIL MOISTURE under the high elevation snow pack is still drier than average but improved considerably at valley locations.

RESERVOIR STORAGE is above average except possibly in Gunnison where storage was estimated at about 8,000 acre feet or 68% of average. Otter Creek is 139% of average, Piute is 127%, Sevier Bridge is 103% and Minersville is 193% of average.

STREAMFLOW FORECASTS range from 106% for Minersville Inflow to 179% for the East Fork Sevier. The Sevier River is forecast 147% at Hatch, 160% at Circleville, 157% at Kingston, and 145% at Gunnison. Salina Creek is forecast 130%, Chalk Creek 136%, Ephraim Creek 135%, Pleasant Creek 119%, and Beaver River 130% of the April-July average. Water users in this area are expected to have above average water supplies this season.

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
SEVIER RIVER					
Sevier at Hatch	60	147	Apr-July	80	41
Sevier nr Circleville	48	160	Apr-July	65	29
Sevier nr Kingston	35	157	Apr-July	53	22
Antimony Crk nr Antimony	11.5	158	Apr-July	14.7	6.9
East Fork Sevier nr Kingston	27	179	Apr-July	38	15.4
Sevier below Piute Dam	60	165	Apr-July	85	36
Clear Crk nr Sevier (abv Div)	25	140	Apr-July	31	17.8
Inflow					
Kingston to Vermillion Dam	70	125	Apr-June	105	56
Vermillion Dam to Gunnison	51	148	Mar-June	55	35
Salina Creek at Salina	15.1	130	Apr-June	18.5	11.1
Sevier nr Gunnison	72	145	Apr-July	78	50
Chalk Creek nr Fillmore	21	136	Apr-July	18.0	15.5b
Chicken Creek nr Levan	4.1	132	Apr-July	--	3.1
Oak Cr. nr Oak City	--	--	Apr-July	--	1.4
SAN Pitch RIVER					
Ephraim Creek nr Ephraim	20	135	Apr-July	28.5	14.5
Pleasant Crk nr Mt. Pleasant	10	119	Apr-July	12.4	8.6
BEAVER RIVER					
Beaver nr Beaver	26	130	Apr-July	32	20
North Creek (Combined)	15.9	130	Apr-July	15.2	12.2b
RESERVOIR STORAGE (THOUSAND ACRE FEET)	7.0	106	Apr-June	12.2	6.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER SEVIER RIVER	6	72	130
East Fork Sevier	2	62	139
South Fork Sevier	4	80	159
LOWER SEVIER	7	96	116
BEAVER RIVER	3	77	136

1 - Observed flow corrected for change in storage and diversions

2 - Provisional flows - Subject to correction

BASIN or STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
SEVIER RIVER	Gunnison	18.2	8.0e	9.3	11.7
	Otter Creek	52.5	41.2	19.2	29.6
	Piute	71.8	51.3	27.2	40.1
	Sevier Bridge	236.0	117.7	59.5	113.6
BEAVER RIVER	Minersville (Rky Fd)	23.3	17.2	11.6	12.0

b - Average of all past record - less than 15 years
+ - 1963-77 15 Year Average Period
e - Estimated

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches) Last Year	Average +
Big Flat	1/31	57	13.8	18.2	10.0
Bryce Canyon	1/28	18	3.7	9.9	3.0
Castle Valley	1/31	41	10.3	15.4	--
Duck Creek	2/3	56	14.5	19.8	8.0
Farnsworth Lake	2/3	49	14.1	13.3	11.8
Gooseberry R.S.	2/3	32	9.1	8.4	7.4

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Sevier River at Hatch		Will publish March 1.
Sevier River nr Circleville		
Sevier River nr Kingston		
Clear Creek nr Sevier		
Salina Creek nr Salina		
Beaver River nr Beaver		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches) Last Year	Average +
Harris Flat	2/3	34	9.3	14.0	5.3
Kimberly Mine	1/31	55	14.1	15.4	9.5b
Long Valley Junction	2/3	32	8.5	15.8	3.2
Merchants Valley Upper	1/31	41	9.8	11.2	7.5b
Midway Valley	2/3	65	18.2	24.0	12.7
Otter Lake	1/31	42	10.4	14.6	7.5
Pickle Keg Springs	2/1	46	12.3	13.8	10.5
Widtsoe-Escalante #3	2/3	36	9.4	14.6	6.4

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WATER SUPPLY OUTLOOK

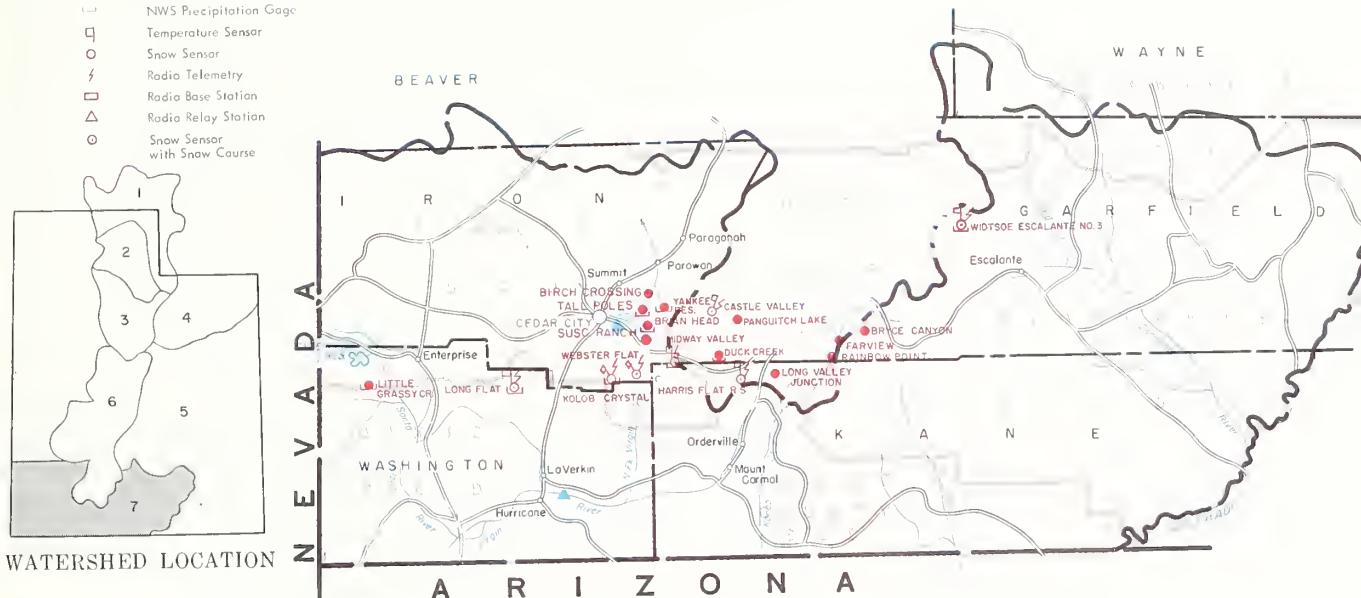
EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES

LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- ✚ Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Sensor
- Snow Sensor
- ◊ Radio Telemetry
- Radio Base Station
- △ Radio Relay Station
- Snow Sensor with Snow Course

10 0 10 20 30 40
SCALE IN MILES



WATERSHED LOCATION

FEBRUARY 1, 1980

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 145% of the February 1 average on Coal Creek to 161% on the Virgin River. Parowan Creek is 146% of average and Long Flat has as much water as it usually has on March 1 and Little Grassycr above Enterprise has twice as much Snow Water Content as it usually has on March 1.

PRECIPITATION at mountain stations was generally heavy ranging from over twice average in Parowan Canyon to more than three times average over most of the rest of the area.

SOIL MOISTURE under the higher elevation snow is still drier than average but medium and lower elevations improved greatly with January precipitation.

RESERVOIR STORAGE is above average. Reports indicate Gunlock and Enterprise Reservoirs are full and spilling as a result of heavy January precipitation and snow melt.

STREAMFLOW FORECASTS range from 120% of the April-July average for Lake Powell Inflow to 146% for the Virgin and Santa Clara and 147% for Coal Creek. Streams flowing into Enterprise Reservoirs and the Santa Clara River still has the potential for high peak flows with better than March 1 average snow pack still on the ground at 6000 foot elevations and above. Above average water supplies are expected for water users in this area this season.

STREAMFLOW FORECASTS

EAST GARFIELD, KANE, WASHINGTON

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST Thousands of Acre Feet	Average of Forecast Period	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
VIRGIN RIVER					
Virgin nr Hurricane Santa Clara nr Pine Valley	71 6.0	146 146	Apr-June Apr-June	93 8.0	48.5 4.1
COAL CREEK					
Coal Creek nr Cedar City	25	147	Apr-July	30	17.0
UPPER COLORADO					
Lake Powell Inflow	8350	120	Apr-July	9700	6952
2 - Provisional Flows - Subject to correction					

and IRON COUNTIES in UTAH

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	3	70	145
VIRGIN RIVER	3	66	161
PAROWAN CREEK	3	81	146

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
COLORADO	Lake Powell	25002.0	20,904.0	15222.0	---
	Blue Mesa	829.5	510.0	523.2	---
b - Average of all past record - less than 15 years					
+ - 1963-77 15 year Average Period					

PEAK FLOWS

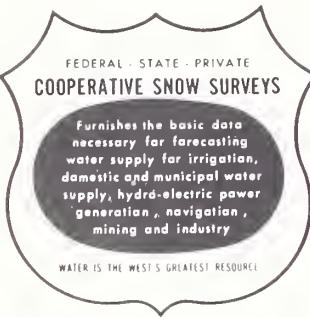
FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Coal Creek nr Cedar City		
Virgin nr Virgin	Will publish	March 1.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Last Year
Birch Crossing	1/31	31	9.0	9.3	4.3b
Brian Head	1/31	59	15.5	21.2	12.4b
Harris Flat	2/3	34	9.3	14.0	5.3
Kolob-Crystal	2/3	69	18.5	28.8	13.3b
Little Grassy	2/3	22	7.3	13.5	--
Long Flat	2/3	22	5.7	13.6	4.7

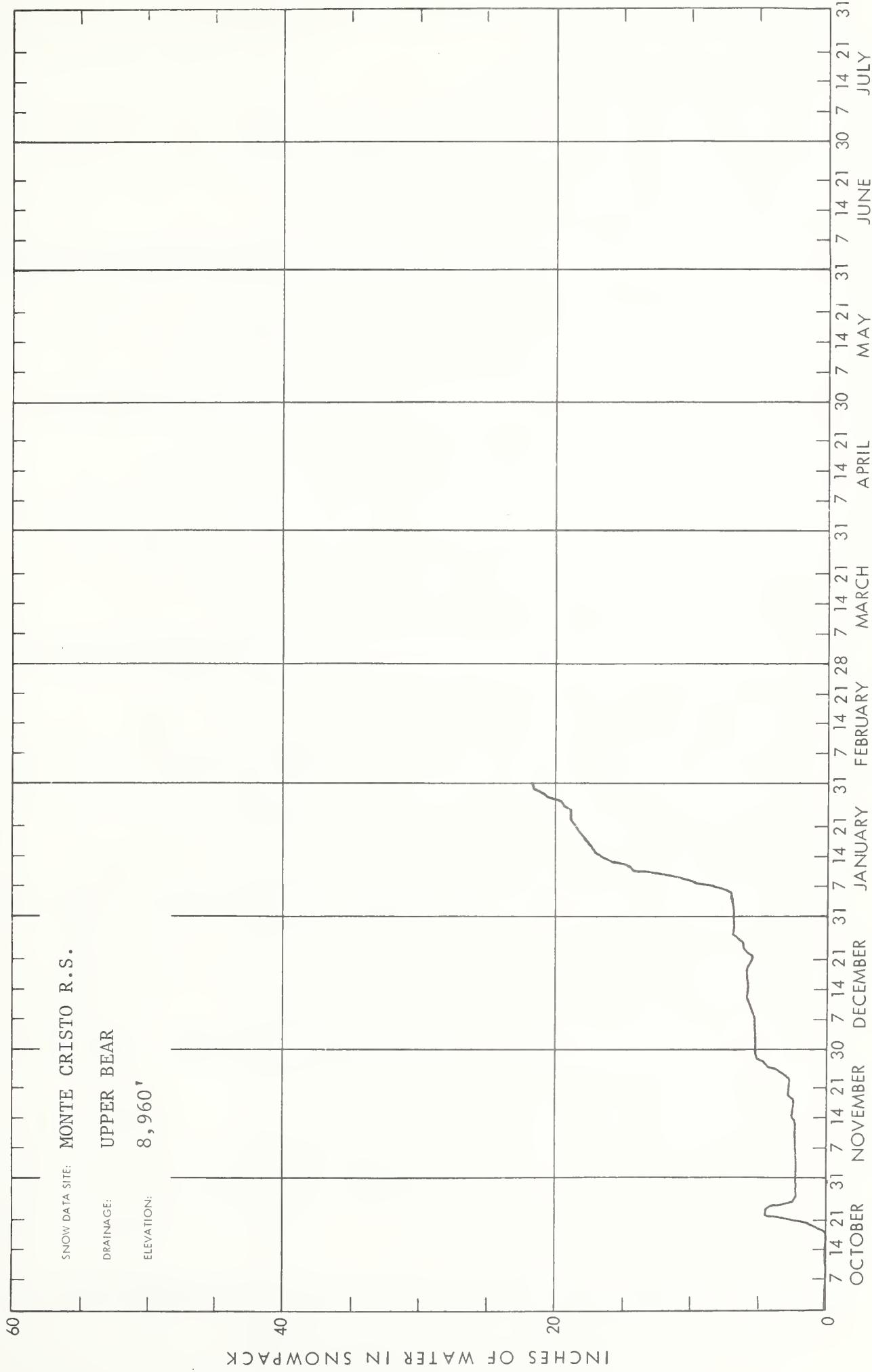
SNOW

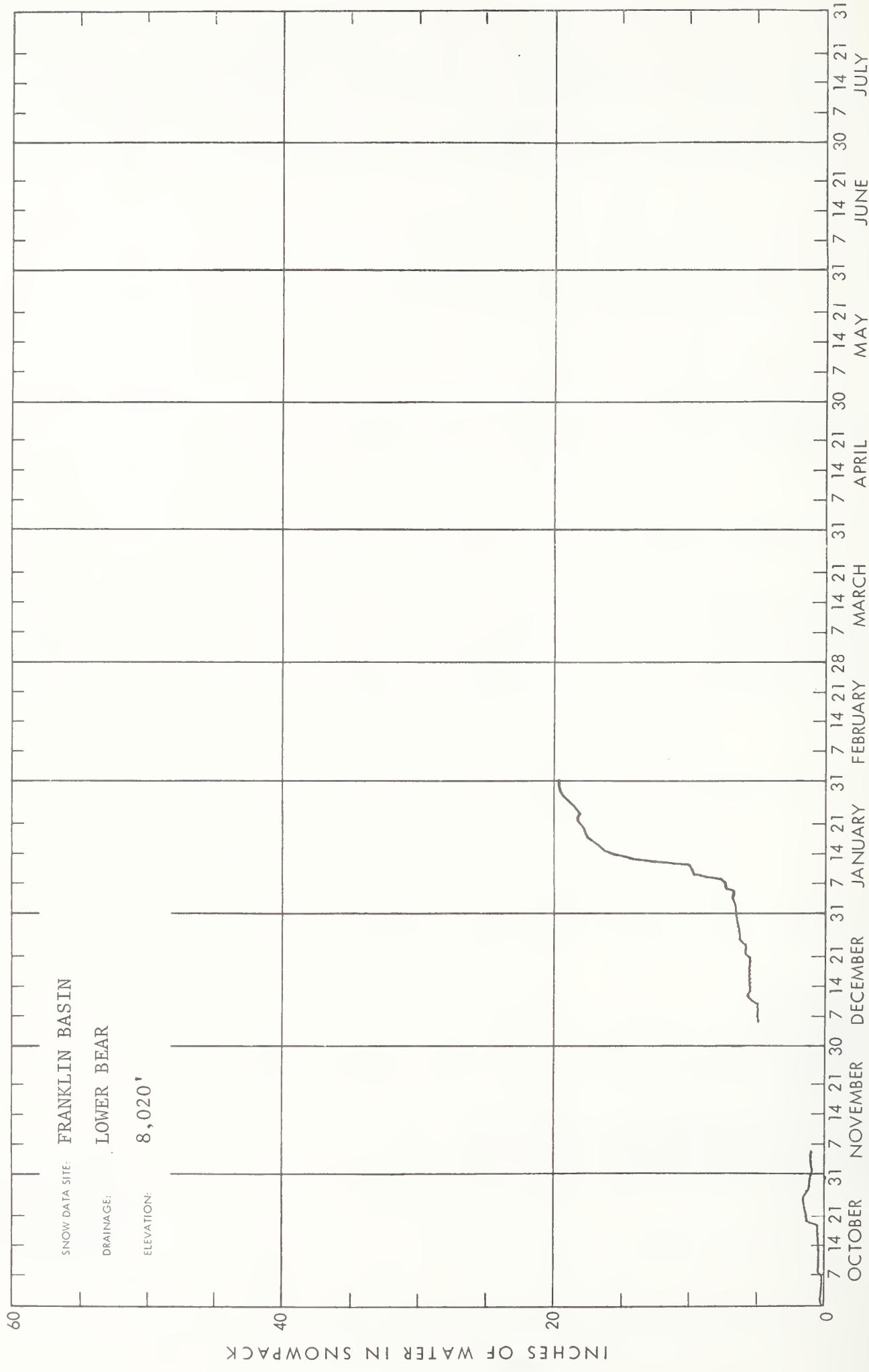
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Last Year
Long Valley Junction	2/3	32	8.5	15.8	3.2
SUSC Ranch	1/31	29	7.3	14.0	5.8b
Tall Poles	1/31	47	12.2	14.7	8.5b
Webster Flat	2/3	57	16.1	21.0	10.2
Yankee Reservoir	1/31	29	7.6	10.6	--

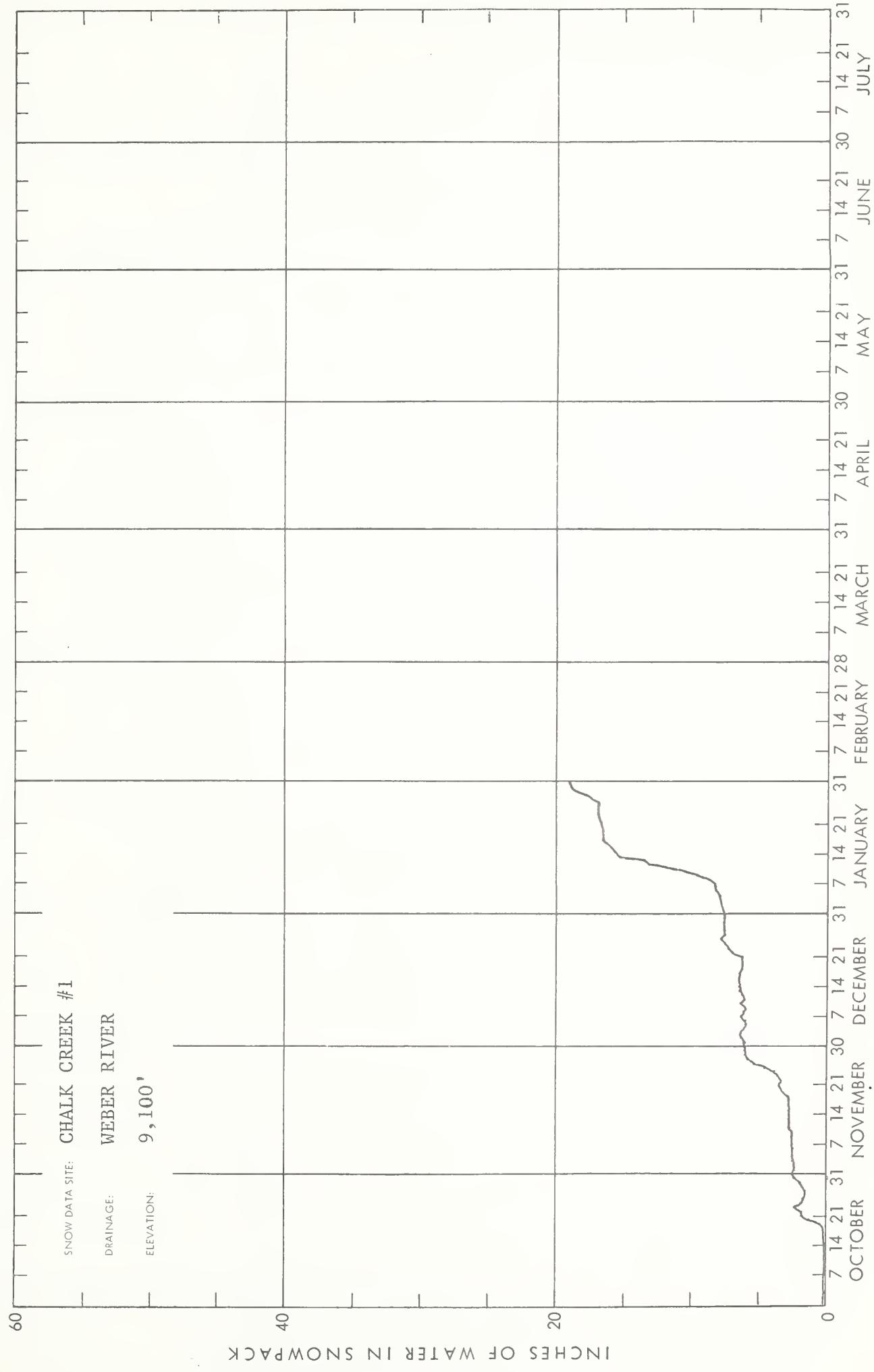
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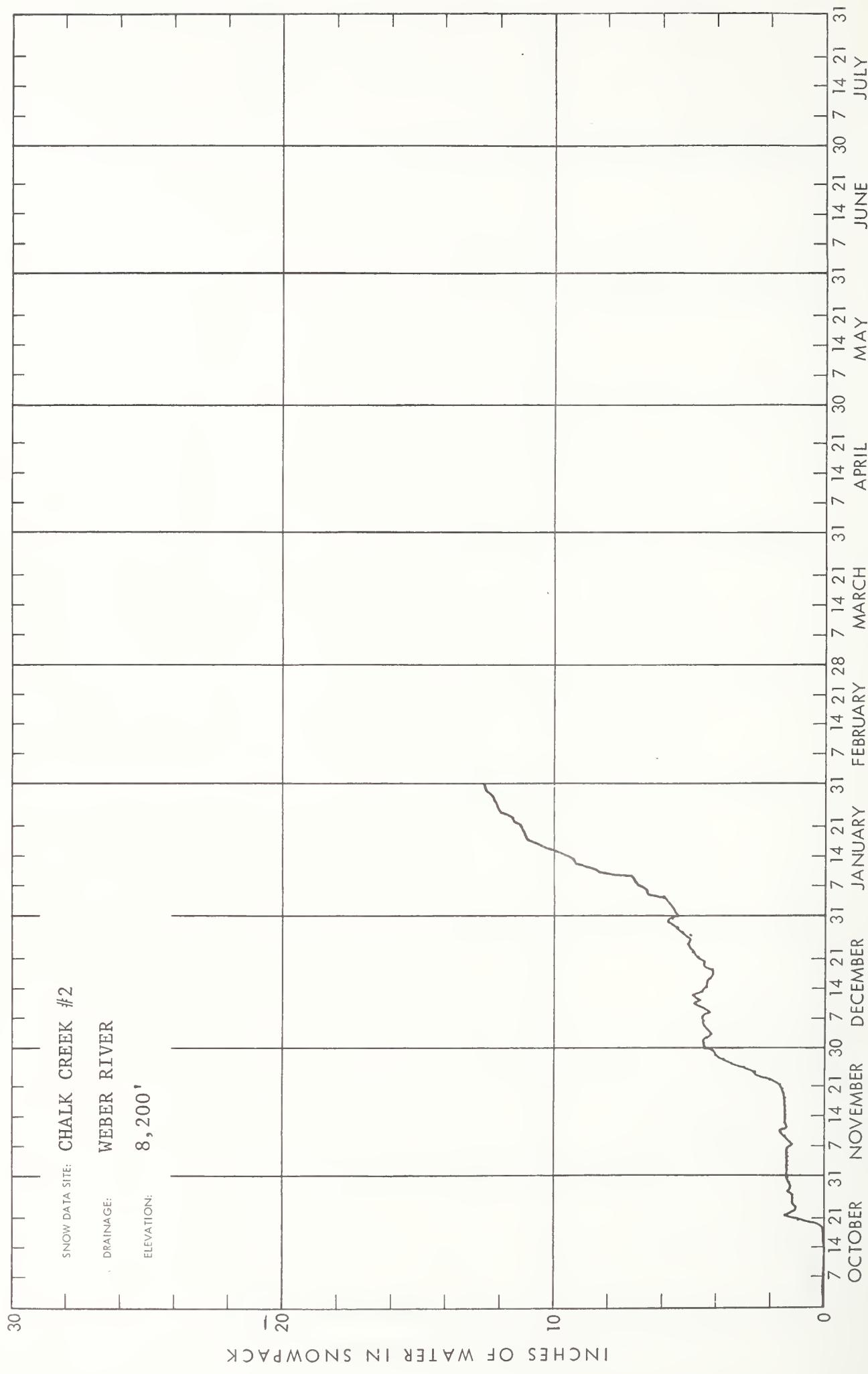
FIRST CLASS MAIL

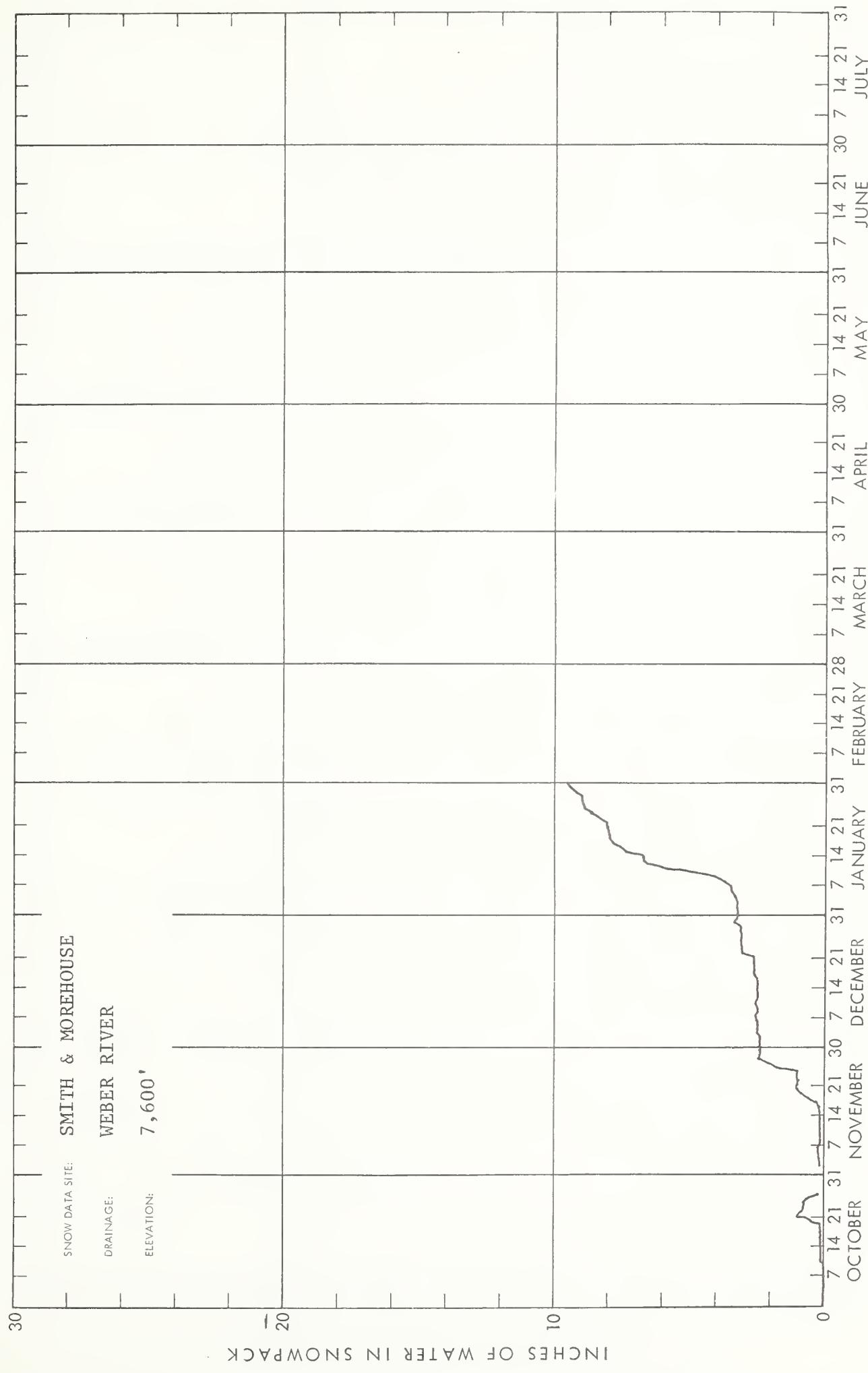
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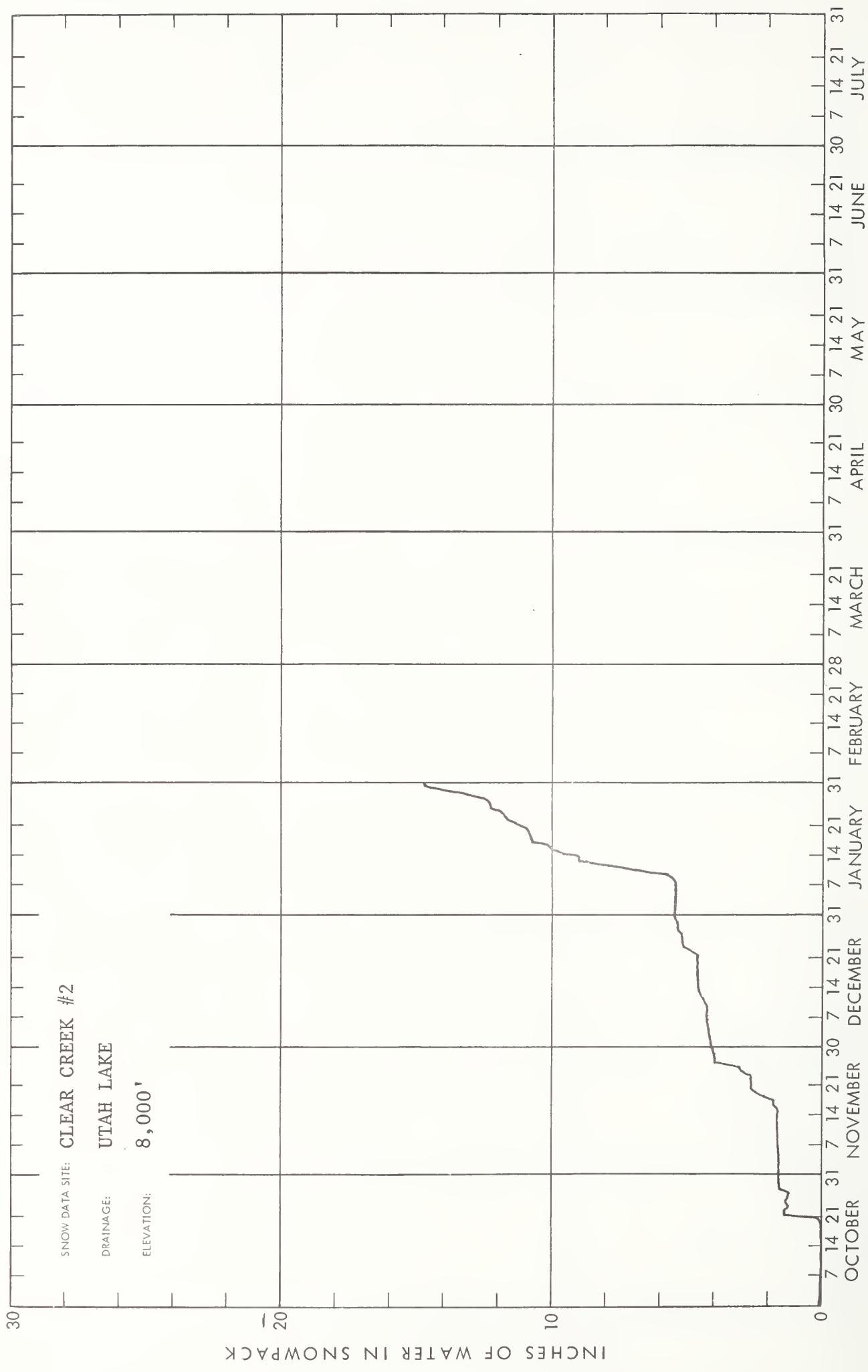










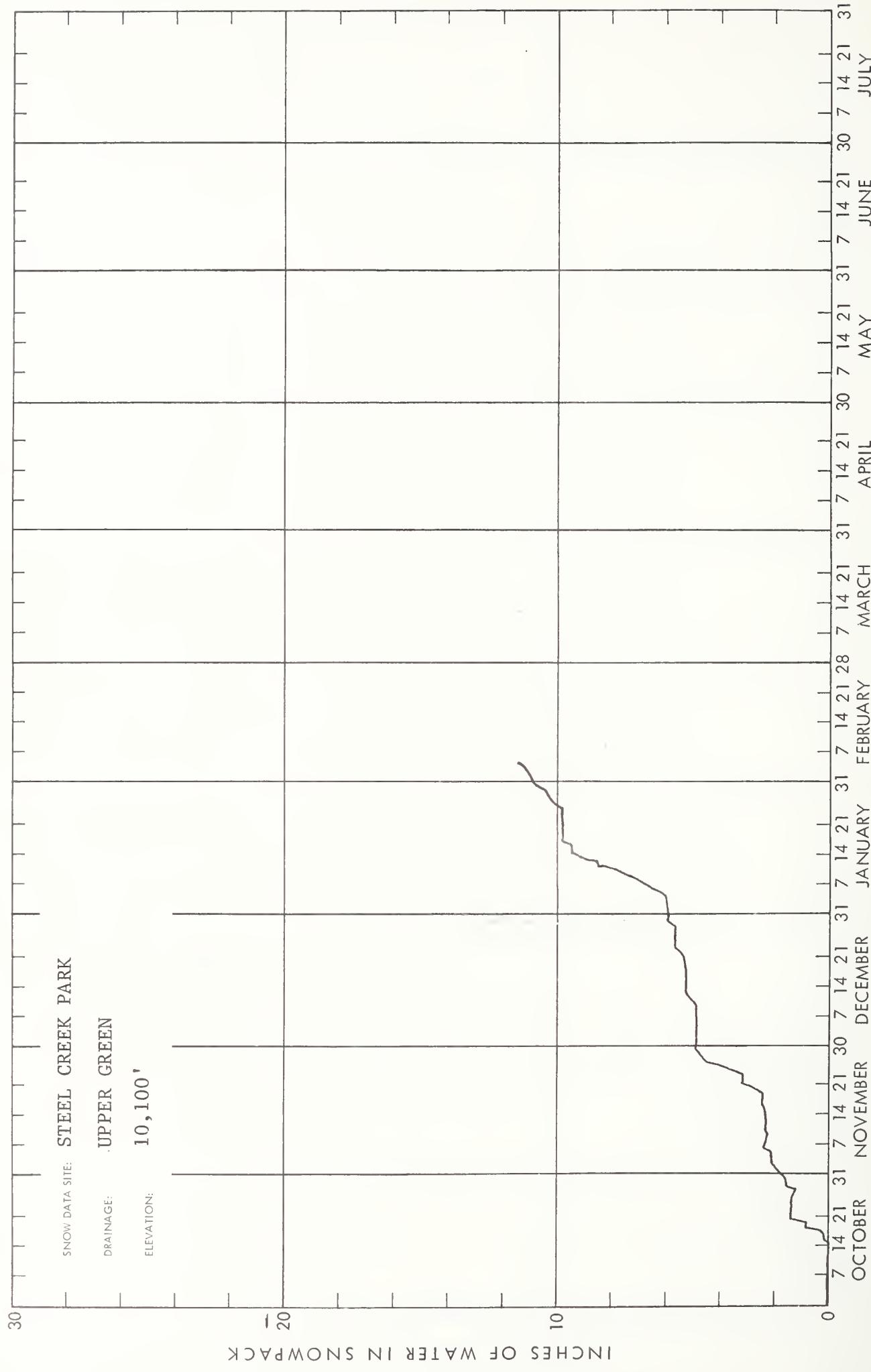


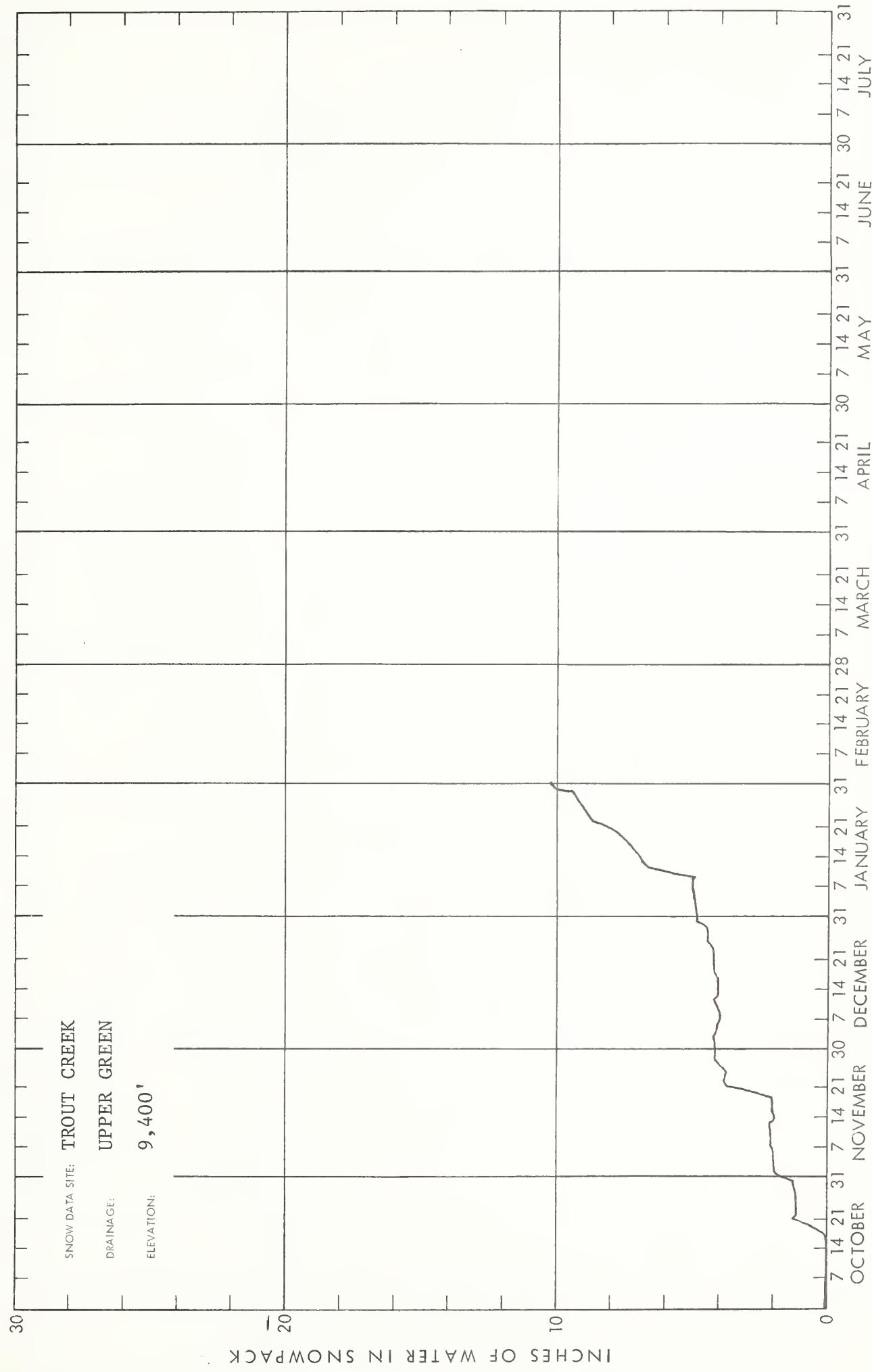
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DRAINAGE: PROVO RIVER
ELEVATION: 9,960'

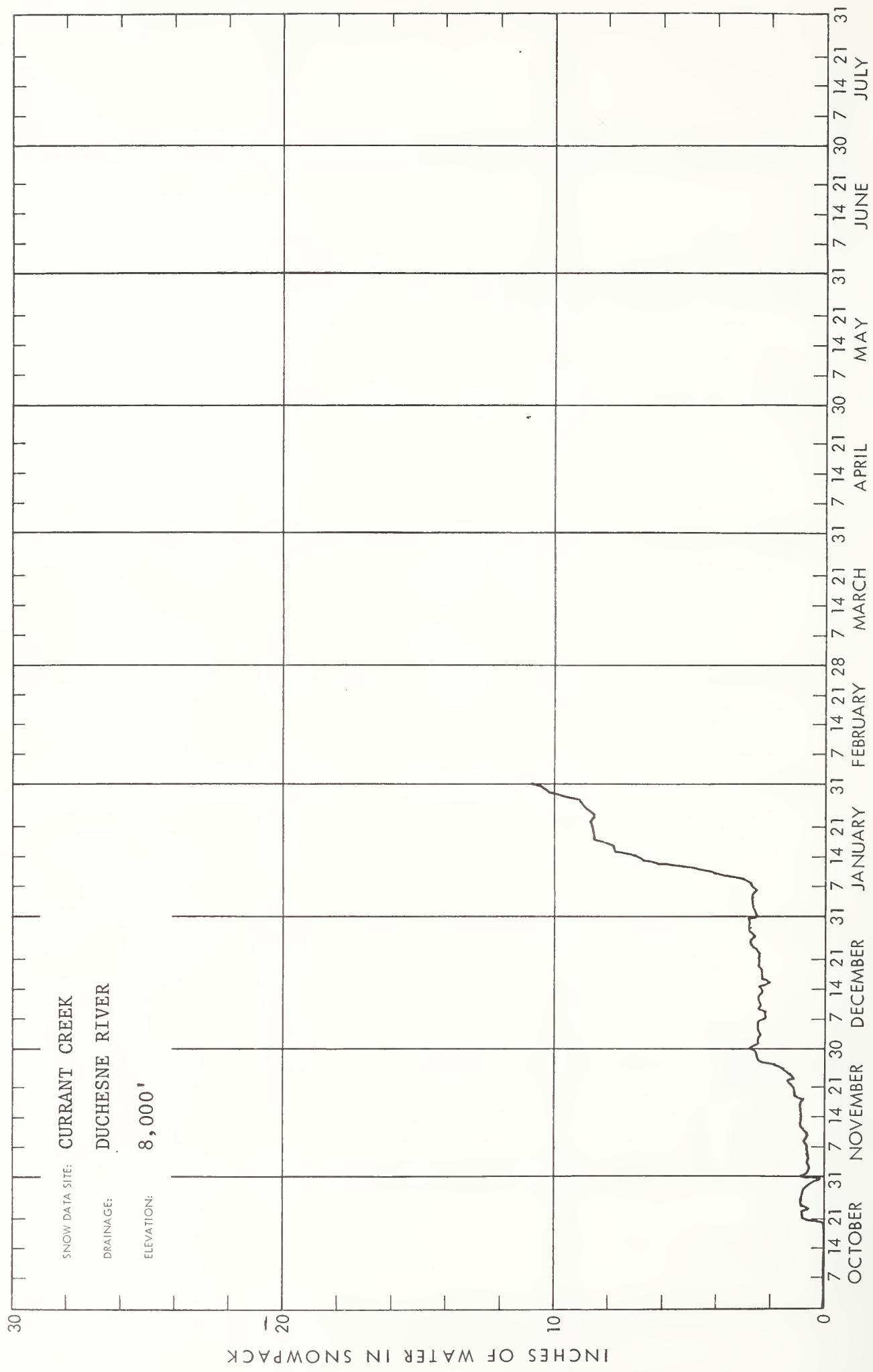
Month	Days	Water in Snowpack (inches)
OCTOBER	7 14 21 31	0
NOVEMBER	7 14 21 30	~10
DECEMBER	7 14 21 31	~15
JANUARY	7 14 21 31	~25
FEBRUARY	7 14 21 31	~20
MARCH	7 14 21 31	~18
APRIL	7 14 21 31	~15
MAY	7 14 21 31	~10
JUNE	7 14 21 31	~10
JULY	7 14 21 31	~10

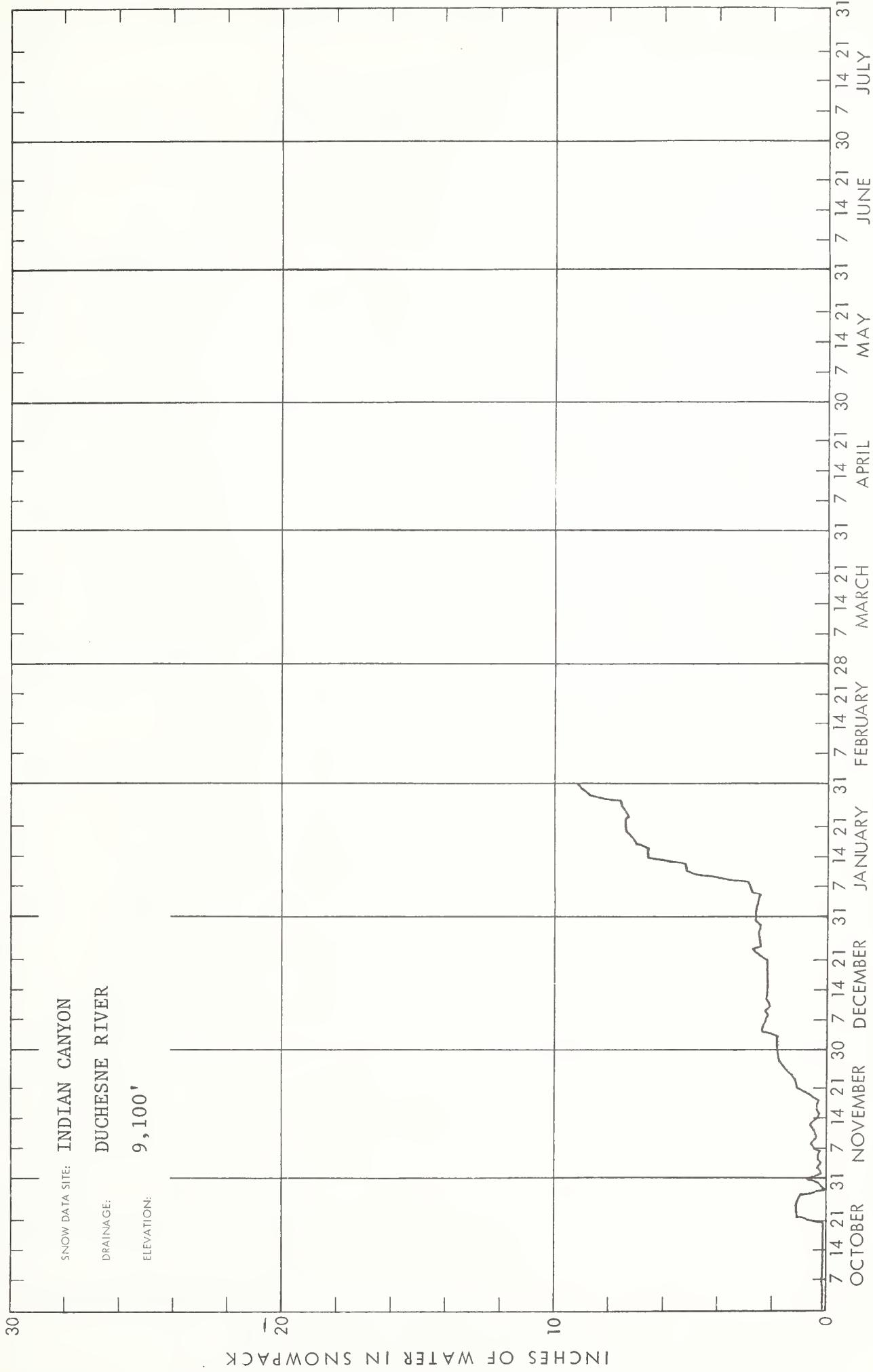
INCHES OF WATER IN SNOWPACK

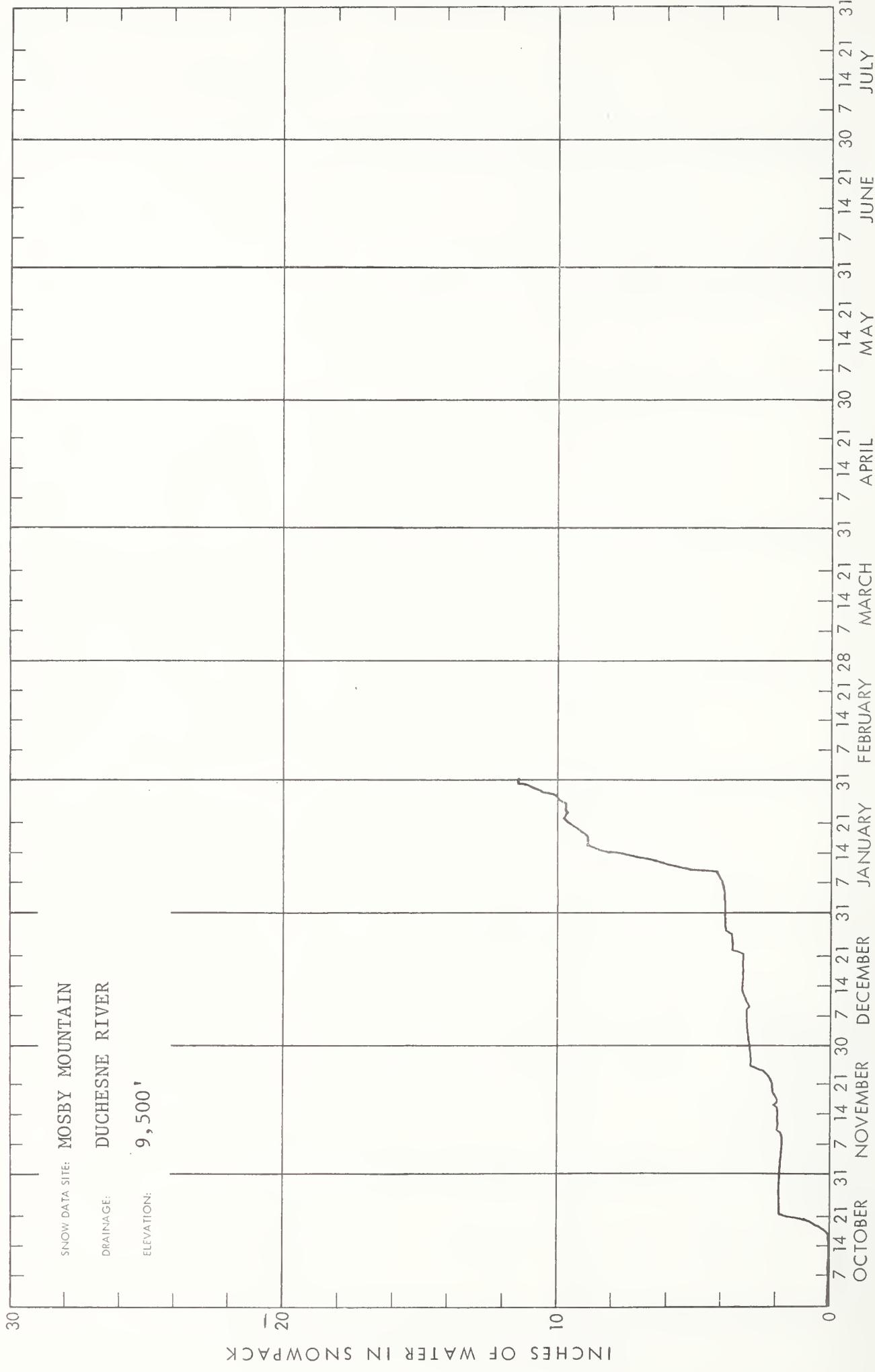
INCHES OF WATER IN SNOWPACK

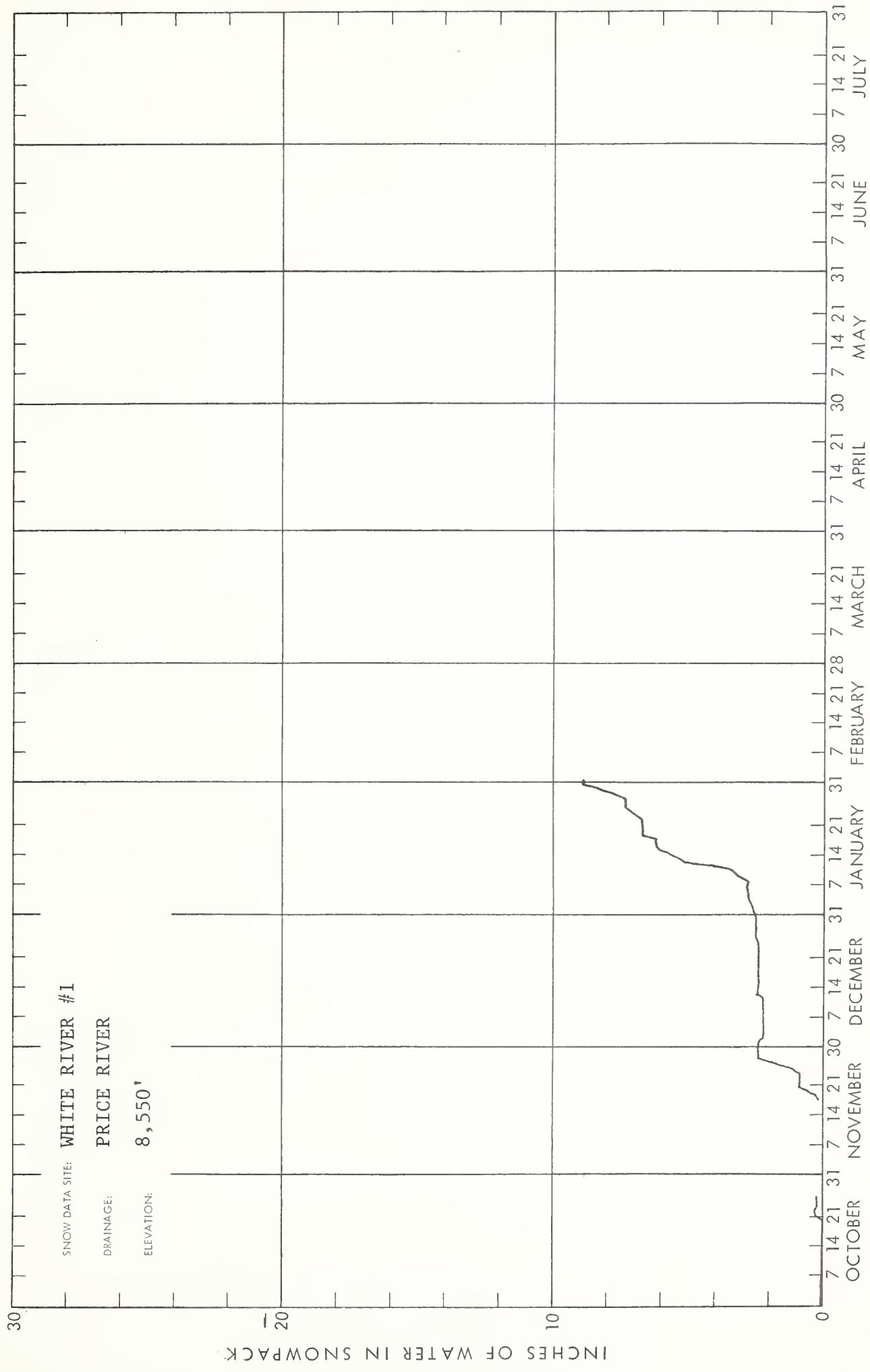


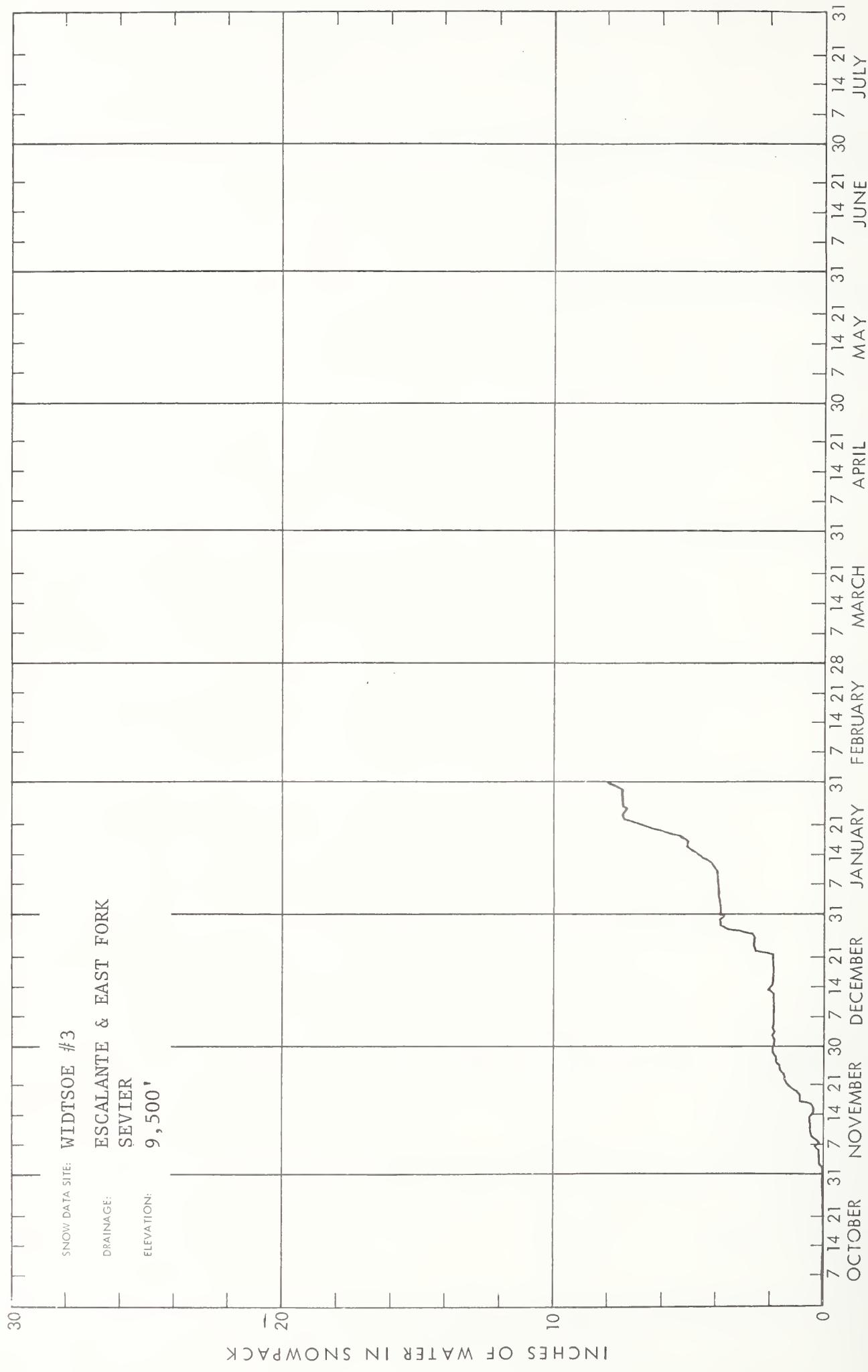


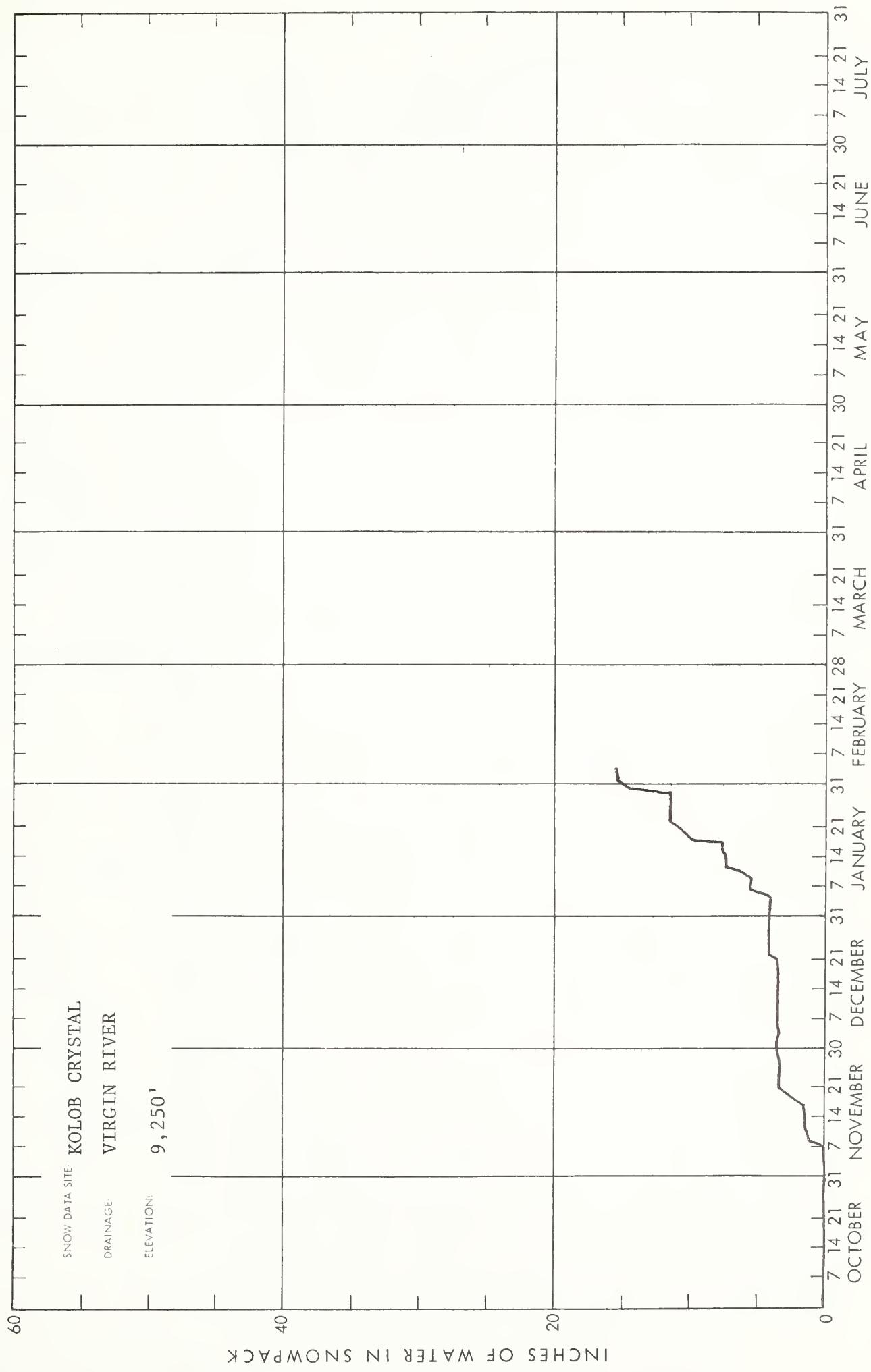












SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	1/31	31	5.9	4.5	--	1/31	4.16	--	8.70	--	--
CCC Camp	1/30	37	8.2	9.6	8.6						
Hayden Fork	1/31	50	13.3	9.2	9.6b	1/31	8.41	--	16.29	--	--
Monte Cristo R.S.	2/3	61	19.8	16.9	16.3	2/3	11.03	6.10b	19.70	17.12	115
Salt River Summit	1/30	46	10.2	12.2	11.0	1/30	6.93	4.18	12.12	11.35	107
Stillwater Camp	1/31	45	9.8	7.8	7.2	1/31	6.41	--	12.01	--	--
Lily Lake		Not Measured									
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	2/3	49	14.4	16.2	13.1b	2/1	8.60	--	--	--	--
Cub River R.S.	2/3	22	6.2	8.6	6.4						
Emigrant Summit	1/30	65	16.6	17.8	17.0						
Franklin Basin	2/3	50	18.1	18.1	17.8a						
Garden City Summit	2/3	42	12.8	15.5	11.6	2/3	9.63	4.27	12.80a	12.33	
Klondike Narrows	2/3	45	16.3	15.5	13.0	2/3	9.31	--	17.18	--	--
Little Bear (lower)	2/3	24	7.7	10.6	6.2						
Little Bear (upper)	2/3	28	8.2	12.5	8.7b						
Slug Creek Divide	1/30	47	13.2	11.0	11.5	2/3	9.50	--	--	--	--
Steep Hollow #1	2/3	69	25.2	24.5	23.3						
Steep Hollow #2	2/3	55	19.3	18.3	17.1						
Tony Grove Lake	2/3	74	26.0	26.6	21.5b	2/1	7.40	--	--	--	--
Tony Grove R.S.	2/3	30	9.4	12.4	8.6	2/3	9.14	--	15.69	--	--
Willow Flat	2/3	36	11.6	14.8	10.9	2/3	9.68	5.00b	16.82	15.14	111
OGDEN RIVER											
Beaver Creek-Skunk Creek	2/2	34	10.8	10.8	8.3						
Ben Lomond Peak	2/3	74	27.3	28.1	22.4b	2/3	16.78	7.56b	27.53	20.51b	134
Ben Lomond Trail	2/3	43	13.8	17.4	12.4b	2/2	7.08	2.56b	13.11	9.49	138
Causey Dam	--	--	--	--	--	2/1	8.50	--	--	--	--
Dry Bread Pond	2/2	45	15.9	13.5	12.2	2/1	8.11	--	14.40	9.49	152
Sagebrush Flat	2/2	23	6.0	5.8	4.1						
WEBER RIVER											
Beaver Creek R.S.	2/1	35	8.6	5.8	5.9						
Chalk Creek #1	2/1	71	18.7	12.6	13.6a	2/1	5.50	--	--	--	--
Chalk Creek #2	2/1	50	12.0	8.2	9.7	2/1	5.80	--	--	--	--
Chalk Creek #3	2/1	36	7.5	5.6	5.4	2/1	5.20	--	11.20	9.44b	119
Farmington Canyon (lower)	2/2	50	14.1	18.6	14.0b	2/2	8.50	5.22b	16.35	18.36	89
Farmington Canyon (upper)	2/2	57	18.6	21.9	19.5b	2/1	6.90	--	--	--	--
Farmington G.S.	--	--	--	--	--	2/2	9.42	--	16.87	--	--
Horse Ridge	2/2	56	17.1	18.5	15.0a	2/2	11.05	--	19.46	--	--
Kilfoil Creek	2/2	48	13.6	13.1	--						
Lost Creek Reservoir	--	--	--	6.9	--	2/2	6.25	--	10.88	--	--
Park City Summit	--	--	--	17.3	--						
Parley's Canyon Summit	2/1	45	11.6	11.9	12.7	2/1	7.12	4.31	14.36	14.80	97
Redden Mine (lower)	2/1	54	14.8	--	--	2/1	6.51	--	12.53	--	--
Smith & Morehouse	2/1	39	10.6	8.5	8.9	2/1	7.25	3.55	13.44	11.90	113
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	2/1	50	12.0	--	8.9b	2/1	8.50	--	--	--	--
Camp Altamont	2/1	43	14.4	16.5	10.2						
Clear Creek Ridge #1	2/2	56	17.3	14.2	11.2b	2/1	8.60	--	--	--	--
Clear Creek Ridge #2	2/2	48	12.9	12.5	9.6b	2/2	7.40	--	13.97	10.87b	129
Clear Creek Ridge #3	2/2	29	7.4	--	5.5						
Dutchman R.S.	2/1	55	17.6	16.0	12.9	2/1	14.85	--	17.60b	--	--
Hobble Creek Summit	2/2	42	10.9	--	9.6	2/2	8.55	--	14.47	--	--
Payson R.S.	2/2	51	15.2	12.2	12.2	2/2	6.52	3.30	14.46	12.04	--
Soapstone R.S.	2/1	48	10.8	9.5	8.6	2/1	8.48	3.39	13.88	11.16	124
South Fork R.S.	2/1	20	4.3	8.8	4.5						
Timpanogos Cave Camp	2/1	9	1.8	4.0	2.3						
Timpanogos Divide	1/31	72	23.2	21.7	16.9	1/31	17.95	4.97	23.95	17.43	137
Trial Lake	2/1	87	20.4	16.8	15.6	2/1	12.93	4.71	20.65	16.20	127

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)				
	Data of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE	
				Last Year	Average +	Data of Reading	Month's Precipitation	Average +	This Year	Average +
JORDAN RIVER & GREAT SALT LAKE										
Bevan's Cabin										
Lamb's Canyon #2	1/31	43	10.4	10.2	11.1	1/31	6.77	--	12.95	--
Middle Canyon	1/31	31	7.7	9.6	9.2	1/31	3.90	2.71b	9.67	9.74
Mill Creek	2/1	40	10.7	10.9	--			2.16		99
Mill D South Fork	1/28	34	10.5	12.2	13.2					
Mt. Dell Dam		Not Measured								
Rock Basin-Settlement Canyon		Not Measured								
Silver Lake (Brighton)	1/28	61	17.0	15.6	15.8	1/28	--	5.36	--	18.07
Snow Bird (Gad Valley)	2/2	77	23.6	23.8	23.6					
Vernon Creek	1/30	36	8.0	11.2	7.5b	1/30	9.20	--	12.50a	--
UPPER SEVIER RIVER (South of Richfield, Utah)										
Box Creek	1/31	45	10.8	14.2	7.8	1/31	5.92	--	10.94	--
Bryce Canyon	1/28	18	3.7	9.9	3.0					
Castle Valley	1/31	41	10.3	15.4	--	1/31	5.66	--	10.22	--
Duck Creek R.S.	2/3	56	14.5	19.8	8.0	2/3	11.71	2.87	15.99	10.90
Farview	1/28	30	7.9	13.7	5.5					
Harris Flat	2/3	34	9.3	14.0	5.3	2/1	7.30	--	--	--
Kimberly Mine	1/31	55	14.1	15.4	9.5b	1/31	7.06	3.13b	13.28	11.20
Midway Valley	2/3	65	18.2	24.0	12.7	2/3	10.13	--	14.98	--
Panguitch Lake	1/31	15	4.0	9.8	--	1/31	2.84	--	5.55	--
Rainbow Point	1/28	29	7.6	16.0	4.6					
Squaw Springs	1/31	32	7.6	9.0	--					
LOWER SEVIER RIVER (Including San Pitch River)										
Beaver Dams	2/1	30	7.8	12.2	9.3b	2/1	3.99	--	9.72	--
Farnsworth Lake	2/3	49	14.1	13.3	11.8	2/3	5.19	3.09	15.03	11.64
G.B.R.C. Headquarters	2/2	41	11.5	12.2	9.8	2/2	4.66	2.98	13.81	11.52
G.B.R.C. Majors		Not Measured						1.42		120
G.B.R.C. Meadows	2/2	54	16.6	15.0	13.5	2/2	6.64	3.84	15.98	13.98
G.B.R.C. Oaks		Not Measured						2.02		114
Gooseberry R.S.	2/3	32	9.1	8.4	7.4	2/3	2.90	2.45b	10.11	7.49b
Mammoth-Cottonwood Creek	2/1	51	16.2	16.4	13.2	2/1	5.10	--	--	--
Middle Fork		Not Measured								
Mt. Baldy R.S.	2/1	61	16.4	21.4	--	2/1	6.16	--	13.76	--
Oak Creek		Not Measured		11.5	--					
Pickle Keg Springs	2/1	46	12.3	13.8	10.5	2/1	5.00	--	--	--
Pine Creek	1/31	46	12.5	11.6	10.6	1/31	4.84	--	13.27	--
Ree's Flat	2/2	37	10.1	8.7	--	2/2	4.93	--	10.99	--
Shingle Mill		Not Measured		6.6	5.7					
Thistle Flat		Not Measured						2.10b		10.25
BEAVER RIVER										
Beaver Canyon Power House		Not Measured								
Beaver Race Track	1/31	2	0.5	1.2	0.7			1.23		5.45
Big Flat	1/31	57	13.8	18.2	10.0	1/31	7.71	--	12.16	9.93
Merchant's Valley (upper)	1/31	41	9.8	11.2	7.5b	1/31	6.14	--	10.18	9.18b
Otter Lake	1/31	42	10.4	14.6	7.5					111
PAROWAN CREEK										
Birch Crossing	1/31	31	9.0	9.3	4.3b					
Brian Head	1/31	59	15.5	21.2	12.4b					
Tall Poles	1/31	47	12.2	14.7	8.5b	1/31	5.15	2.20b	11.85	9.48b
Yankee Reservoir	1/31	29	7.6	10.6	--	1/31	3.42	--	9.46	--
ENTERPRISE TO NEW HARMONY DRAINAGES										
Little Grassy Creek	2/3	22	7.3	13.5	--	2/3	6.11	--	8.72	--
Long Flat	2/3	22	5.7	13.6	4.7	2/3	6.30	--	10.17	--
COAL CREEK										
Cedar City Golf Course	1/31	3	0.5	1.6						
SUSC Ranch	1/31	29	7.3	14.0	5.8b					

SNOW

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				Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average			
COLORADO RIVER DRAINAGE														
UPPER GREEN RIVER - UTAH														
Ashley-Twin Lakes (A)		Not Measured												
Black's Fork G.S.-East Fork	1/31	31	7.5	6.4	--	1/31	4.28	--	9.58	--	--			
Black's Fork Junction	1/31	42	9.6	6.9	--	1/31	4.87	--	10.87	--	--			
Buck Pasture (A)		Not Measured												
Burnt Creek	1/31	28	5.7	5.0	--	1/31	2.20	1.60b	8.90	6.09b	146			
Dutch John Junction		Not Measured												
Grizzly Ridge	1/31	47	11.5	9.1	--	1/31	5.57	2.44b	12.45	8.75b	142			
Hewinta G.S.	1/31	38	9.1	6.3	--	1/31	5.02	--	11.40	--	--			
Hickerson Park	1/31	33	7.5	5.0	--									
King's Cabin (upper)	1/31	50	10.3	7.8	--									
Reynolds Park (A)		Not Measured												
Spirit Lake	1/31	41	10.0	9.8	--	1/31	3.94	--	11.05	--	--			
Steel Creek Park	1/31	54	13.0	9.0	--	2/1	5.70	--	--	--	--			
Trout Creek	1/31	44	9.5	9.1	--	1/31	5.17	--	11.27	--	--			
Windy Park (A)		Not Measured												
DUCESNE RIVER														
Atwood Lake (A)														
Brown Duck Ridge	2/1	69	16.5	--	9.5	2/1	13.55	--	18.55	--	--			
Chepeta-Whiterocks (A)		Not Measured												
Currant Creek	2/2	45	11.8	--	7.3b	2/2	9.28	--	13.45	--	--			
Daniels-Strawberry Summit	2/2	48	14.1	10.6	10.0	2/2	11.57	3.59	17.86	12.03	148			
East Portal	1/30	41	9.0	11.5	7.4			3.34		11.14				
Five Points Lake (A)		Not Measured												
Indian Canyon	2/2	42	11.1	14.1	8.0	2/2	7.78	2.41	11.13	8.69	128			
Jackson Park	--	--	10.5	--		2/1	9.55	--	13.50	--	--			
Lakefork Basin (A)		Not Measured												
Lakefork Mountain	2/1	46	10.4	10.2	6.8	2/1	8.40	--	12.20	8.68	139			
Lakefork Mountain #3	2/1	40	9.4	--	--									
Lightning Lake (A)		Not Measured												
Mosby Mountain	2/1	44	10.5	7.5	6.3	2/1	7.95	2.28b	12.10	8.87	136			
Paradise Park	2/1	49	12.5	12.6	8.3	2/1	5.80	2.39b	9.85	9.36	105			
Rock Creek Ranch	2/1	36	9.5	6.9	--	2/1	7.85	--	10.82	--	--			
Strawberry Divide	1/30	55	15.6	16.4	12.4	2/1	10.00	--	--	--	--			
PRICE RIVER														
Dry Valley Divide Alternate	2/1	42	9.9	9.9	7.2									
Mud Creek	2/1	48	11.8	11.8	8.8	2/1	6.78	2.70	12.20	9.20	133			
White River #1	2/2	44	11.6	13.9	8.6	2/2	6.69	--	10.99	--	--			
White River #3	2/2	32	8.2	8.1	--									
SAN RAFAEL RIVER														
Buck Flat	2/1	51	12.8	14.4	10.2	2/1	7.15	--	13.30	11.29b	118			
Huntington-Horseshoe	2/1	53	16.1	17.6	14.8b									
Orange Olsen	2/1	30	5.9	4.5	--	2/1	4.50	--	7.10	5.22b	136			
Red Pine Ridge	2/1	49	12.0	11.4	10.7	2/1	6.98	--	12.58	12.77	99			
Seeley Creek R.S.	2/2	37	11.4	12.5	9.3b									
Stuart R.S.	2/1	37	8.1	8.0	--	2/1	5.44	--	8.44	--	--			
Upper Joe's Valley	2/1	40	8.5	7.8	6.6									
Wrigley Creek	2/1	43	10.6	--	6.4									
MUDY RIVER														
Black's Fork	2/1	44	10.6	--	7.7b									
Dill's Camp	2/1	44	10.5	9.6	7.0b	2/1	5.30b	--	10.4b	--	--			
FREMONT RIVER														
Black's Flat-U.M. Creek	2/3	37	9.4	10.4	6.9	2/3	4.89	--	9.75	--	--			
Fish Lake	2/3	27	5.7	9.0	5.2	2/3	4.40	1.33b	7.44	6.35	117			
Johnson Valley	2/3	27	6.0	8.8	4.3									

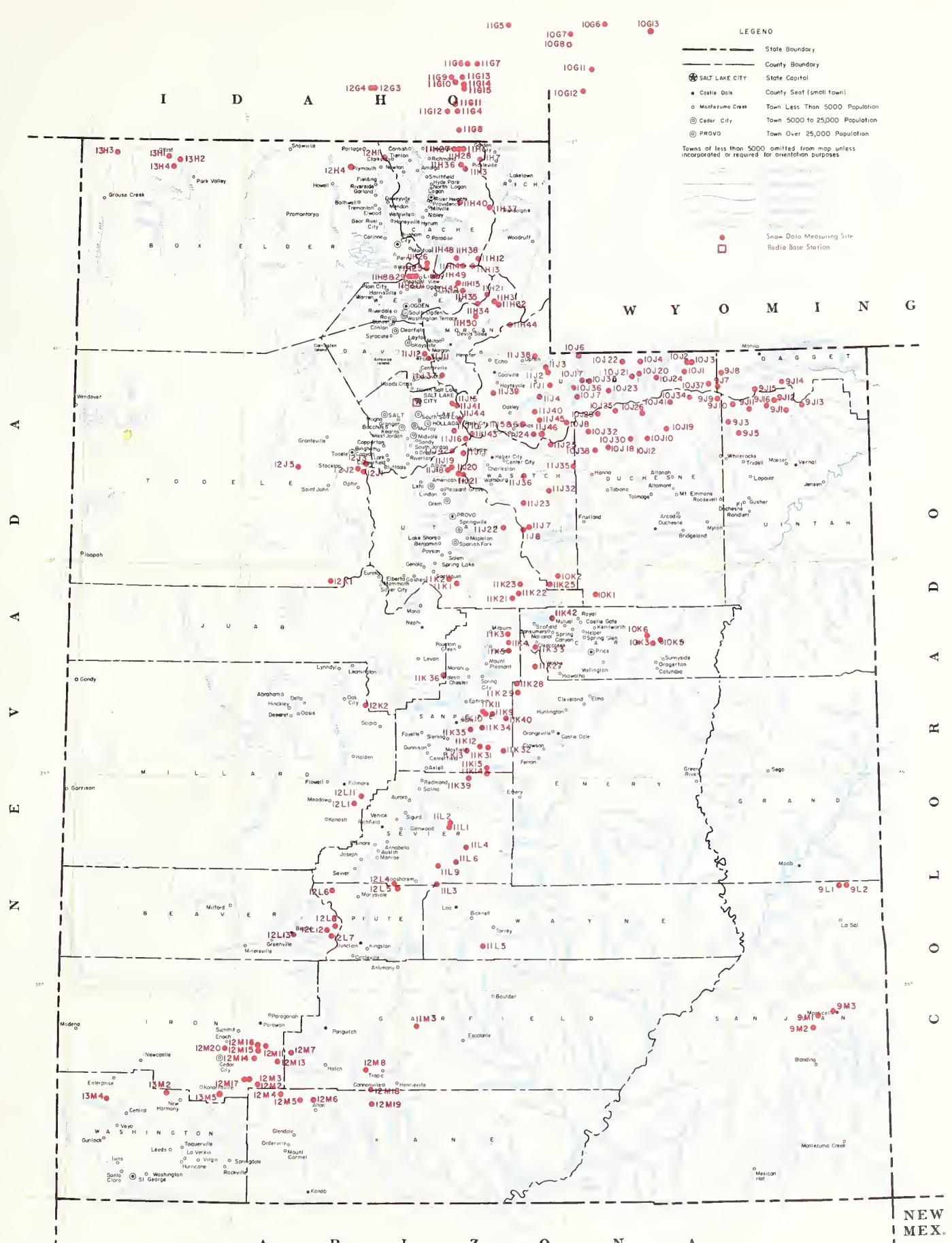
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SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	1/28	48	12.7	21.1	7.1e						
Camp Jackson	1/28	46	12.6	19.3	7.3e						
LaSal Mountain (lower)	1/30	33	8.1	9.0	5.4e						
LaSal Mountain (upper)	1/30	47	12.2	15.6	8.6e						
Monticello City Park	1/31	22	5.9	8.8	--	1/30	4.80	--	11.00	--	--
ESCALANTE RIVER											
Widtsoe-Escalante #3	2/3	36	9.4	14.6	6.4	2/3	5.22	1.58	10.15	7.59	134
VIRGIN RIVER											
Kolob-Crystal	2/3	69	18.5	28.8	13.3b						
Long Valley Junction	2/3	32	8.5	15.8	3.2						
Webster Flat	2/3	57	16.1	21.0	10.2	2/3	11.70	3.48	17.49	11.62	151

a - Partly Estimated

b - Average of past record in average period - less than 15 years

+ - 1963-77 15 year average period (A) - Aerial Marker Reading



SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1980



INDEX TO UTAH, DEAK & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC.	TWP.	ELEV.	RGE	ELEV.	NO.	STATE	NAME	SEC.	TWP.	RGE	ELEV.	NO.	STATE	NAME	SEC.	TWP.	RGE	ELEV.
UPPER BEAR RIVER (above Harter, Idaho)																					
10G11	W	Big Bear	7	27N	117W	8,700	1125P	U	STATE	NAME	SEC.	TWP.	RGE	ELEV.	9	35	BE	7,800	9,105P	22	15
10L6P	W	Big Catkiller Ranch	19	106	7,900	1111P	1111P	U	Soapstone R.S.	9	35	45	2E	6,100	9,105P	King's Cabin (upper)	21E	15	B-730		
10G2P	W	Big Catkiller Ranch	9	29N	118W	7,500	1111P	1111P	U	South R.S.	24	2E	50	2E	5,100	10,33P	McCoy Park	17E	15	10,680	
10L34P	W	Big Catkiller Ranch	15	1N	10,000	1111P	1111P	U	Timpanogos Cave Comp	27	45	45	2E	5,100	10,33P	Middle Beaver Creek	3	3N	8,650		
10L7PST	W	Big Catkiller Ranch	11	25	9,400	1121P	1121P	U	Timpanogos Divide	33	5	35	3E	5,100	9,105P	Reynolds Park	15	1N	10,400		
10G12	W	Big Catkiller Ranch	13	26N	118W	8,200	1085P	U	Troll Lake	25	25	9E	9,900	9,900	10,33P	Spitfire Lake	17	1N	10,300		
10L35P	W	Big Catkiller Ranch	34	2N	10E	8,900	1131P	U	Lily Lake	18	25	25	2E	7,800	9,105P	Steel Creek Park	9	1N	10,100		
10A1PST	W	Big Catkiller Ranch	4	4N	8,900	1131P	1131P	U	Marie Catkiller R.S.	20	25	25	2E	7,800	9,105P	Troll Creek	20E	15	9,400		
10G5A	W	Poison Meadow	29	30N	116W	8,500	1212P	U	Desert Peak	15	45	45	2E	7,250	8,725	Devil's Fork	2	2	9,400		
10G3MP	W	Poison Meadow	32	29N	115W	7,900	1215P	U	Desert Peak	21	15	3E	7,000	10,14P	Devil's Fork	4N	8	4W			
10L17P	W	Poison Meadow	15	29N	115W	8,400	1141P	U	Middle Canyon	8	45	45	2E	6,100	10,30P	Devil's Fork	3	3N	10,600		
Stillwater Comp	U	Poison Meadow	32	2N	10E	8,550	1213P	U	Mill Creek	25	15	2E	6,950	9,105P	Devil's Fork	3	1N	8,650			
JORDAN RIVER & GREAT SALT LAKE (continued)																					
Bug Lake	U	Bevin's Cabin	18	11N	5E	7,950	1111P	U	Desert Peak	15	45	45	4W	6,450	10,14P	Devil's Fork	13	8	4W		
Christensen Ranch	U	Desert Peak	27	13S	41E	5,600	1142P	U	Desert Peak	21	15	3E	7,250	10,14P	Devil's Fork	13N	8	4W			
Cinnamon Creek	U	Desert Peak	29	14N	2W	7,300	1215P	U	Desert Peak	10S	5	5W	7,500	10,14P	Devil's Fork	26	15	10,260			
Clifton Mountain	U	Desert Peak	12H1P	30	13S	42E	5,400	1141P	U	Desert Peak	12H1P	30	13S	5W	7,500	10,14P	Devil's Fork	1W	1N	8,600	
Dry Basin Ranger Station	U	Desert Peak	11G14	30	13S	42E	7,900	1215P	U	Desert Peak	1144	25	15	2E	6,950	9,105P	Devil's Fork	25	1N	10,400	
Dry Basin	U	Desert Peak	12G4	31	13S	37E	6,350	1215P	U	Desert Peak	1110	18	25	3E	7,400	10,14P	Devil's Fork	25	1N	10,300	
Dry Creek	U	Desert Peak	21	12S	42E	7,350	1215P	U	Desert Peak	1110	30	45	3W	8,100	10,14P	Devil's Fork	25	1N	10,200		
Enigrant Summit	U	Desert Peak	11G6	32	13S	37E	6,350	1215P	U	Desert Peak	1110	35	25	2W	8,100	10,14P	Devil's Fork	25	1N	10,200	
Enigration Canyon (mouth)	U	Desert Peak	11G7PST	34	35	41E	6,500	1215P	U	Desert Peak	1110	35	25	2W	8,100	10,14P	Devil's Fork	32	13S	14E	
Franklin Basin	U	Desert Peak	11G8PST	34	35	41E	8,000	1215P	U	Desert Peak	1110	35	25	2W	8,100	10,14P	Devil's Fork	14	11S	8,600	
Garden City Summit	U	Desert Peak	12H1P	31	13S	37E	7,200	1215P	U	Desert Peak	1110	35	25	2W	8,100	10,14P	Devil's Fork	14	11S	8,600	
Hard Hollow	U	Desert Peak	11H7P	31	13S	37E	8,000	1191P	U	Desert Peak	1110	35	25	2W	8,100	10,14P	Devil's Fork	14	11S	8,600	
Horseshoe Bend	U	Desert Peak	11H8P	31	13S	37E	7,400	1215P	U	Desert Peak	1110	35	25	2W	8,100	10,14P	Devil's Fork	14	11S	8,600	
Klondike Narrows	U	Desert Peak	11G13	7	13S	42E	8,200	1215P	U	Desert Peak	1110	11	25	3E	7,400	9,105P	Devil's Fork	25	1N	8,400	
Liberty Springs	U	Desert Peak	11H26	16	8N	1E	6,000	1247P	U	Desert Peak	1110	4	35	2W	8,100	9,105P	Devil's Fork	22	1N	9,480	
Little Bear (upper)	U	Desert Peak	11H27	22	8N	1E	6,550	1215P	U	Desert Peak	1110	29	35	2W	8,100	9,105P	Devil's Fork	22	1N	9,480	
Orford Mountain	U	Desert Peak	12G3	32	13S	37E	6,800	1215P	U	Desert Peak	1110	29	35	2W	8,100	9,105P	Devil's Fork	22	1N	9,480	
Sug Creek Divide	U	Desert Peak	12G5	15	10S	44E	7,225	1215P	U	Desert Peak	1110	35	25	2W	8,100	9,105P	Devil's Fork	32	13S	14E	
Sleep Hollow	U	Desert Peak	11H27	7	14N	3E	8,500	1215P	U	Desert Peak	1110	35	25	2W	8,100	9,105P	Devil's Fork	14	11S	8,600	
Sleep Hollow	U	Desert Peak	11H28	9	14N	3E	7,700	1215P	U	Desert Peak	1110	35	25	2W	8,100	9,105P	Devil's Fork	14	11S	8,600	
Strawberry Creek	U	Desert Peak	11G10	14	13S	41E	5,800	1181P	U	Desert Peak	1110	22	35	2W	8,100	9,105P	Devil's Fork	23	13S	14E	
Strawberry Mine Divide	U	Desert Peak	11H45PST	15	13N	41E	6,250	1181P	U	Desert Peak	1110	22	35	2W	8,100	9,105P	Devil's Fork	11	10S	8,500	
Tony Grove Ranch Station	U	Desert Peak	11H26	12	13S	41E	6,100	1181P	U	Desert Peak	1110	22	35	2W	8,100	9,105P	Devil's Fork	30	13S	9,400	
RAFT RIVER	U	Desert Peak	12G3	32	13S	37E	6,000	1181P	U	Desert Peak	1110	22	35	2W	8,100	9,105P	Devil's Fork	27	13S	9,400	
Clear Creek Meadows	U	Desert Peak	12G5	15	10S	44E	7,200	1215P	U	Desert Peak	1110	22	35	2W	8,100	9,105P	Devil's Fork	27	13S	9,400	
George Peak	U	Desert Peak	12G7	17	14N	3E	8,500	1215P	U	Desert Peak	1110	22	35	2W	8,100	9,105P	Devil's Fork	27	13S	9,400	
One Mile Summit	U	Desert Peak	11H27	9	14N	3E	7,700	1215P	U	Desert Peak	1110	22	35	2W	8,100	9,105P	Devil's Fork	27	13S	9,400	
ViPoint	U	Desert Peak	11H28	9	14N	3E	8,000	1215P	U	Desert Peak	1110	22	35	2W	8,100	9,105P	Devil's Fork	27	13S	9,400	
OGDEN RIVER (including Son Pitch River)																					
Beaver Creek-Skunk Creek	U	Beaver Creek-Skunk Creek	13H24	U	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	23	19S	4E	
Ben Lornado Peak	U	Beaver Creek-Skunk Creek	13H45P	13H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
Ben Lornado Trail	U	Beaver Creek-Skunk Creek	13H30	13H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
Cousay Dam	U	Beaver Creek-Skunk Creek	13H35P	13H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
Dry Broad Pond	U	Beaver Creek-Skunk Creek	13H34P	13H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
Guider's Peak	U	Beaver Creek-Skunk Creek	11H45P	11H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
Middle Fork Ogden	U	Beaver Creek-Skunk Creek	11H46P	11H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
Powder Mountain Rideaway	U	Beaver Creek-Skunk Creek	11H47P	11H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
Scabgebrush Flat	U	Beaver Creek-Skunk Creek	11H48P	11H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
WEBER RIVER	U	Beaver Creek-Skunk Creek	11H49P	11H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
Widtsoe	U	Beaver Creek-Skunk Creek	11H50P	11H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
Widtsoe	U	Beaver Creek-Skunk Creek	11H51P	11H1	11H14M	2	BN	14W	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	SAN RAFAEL RIVER	12K4	19S	4E	
COLORADO RIVER DRAINAGE																					
PROVO RIVER & UTAH LAKE	U	Beaver Creek-Skunk Creek	11H52PST	28	7E	7,500	1125P	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	UPPER GREEN RIVER IN UTAH (above Duchesne River)	22	34S	W		
Comp Althom	U	Beaver Creek-Skunk Creek	11H53PST	29	7E	7,300	1022P	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	UPPER GREEN RIVER IN UTAH (above Duchesne River)	22	34S	W		
Clear Creek Ridge #1	U	Beaver Creek-Skunk Creek	11H54PST	29	11S	6E	9,200	1022P	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	UPPER GREEN RIVER IN UTAH (above Duchesne River)	22	34S	W	
Clear Creek Ridge #2	U	Beaver Creek-Skunk Creek	11H55PST	29	11S	6E	9,000	1022P	U	Beaver Creek-Skunk Creek	13H25	2	BN	14W	9,050	10,14P	UPPER GREEN RIVER IN UTAH (above Duchesne River)	22	34S	W	
Clear Creek Ridge #3																					

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State Department of Natural Resources,
Division of Water Resources and Division of
Wildlife Resources
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber River Water Conservancy District

PRIVATE AGENCIES

Kaiser Steel Corporation



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with the Snow Survey"*

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